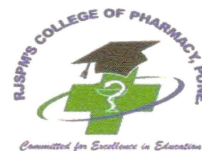




RAJMATA JIJAU SHIKSHAN PRASARAK MANDAL'S
COLLEGE OF PHARMACY (B.Pharm.)

Approved by PCI, AICTE, Govt. of Maharashtra & DTE
Affiliated to Savitribai Phule Pune University, Pune

DTE Code:- 6382 University Code:- CPHPO13150



Certified by ISO 9001-2015,
ISO : 14001-2015

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President

Hon. Shri. Sudhir V. Mungase
Secretary

Hon. Shri. Ajit D. Gavhane
Treasurer

Dr. Kishor S. Jain
Principal

2.6.2

**Attainment of Programme outcomes and
course outcomes are evaluated by the
institution.**



RAJMATA JIJAU SHIKSHAN PRASARAK MANDAL's

COLLEGE OF PHARMACY

Approved by AICTE & PCI New Delhi, DTE, Govt. of Maharashtra &
Affiliated to University of Pune

Gat No.101/102, A. Post-Dudulgaon, Post-Alandi, Tal-Haveli, Dist-Pune - 412 105

E-mail: rjspmcp123@gmail.com Web: www.rjspmpharmacy.com

Univ Id: PU/PN Pharm/286/2007 College Code:1081 DTE Code:6382



Attainment of Programme outcomes and course outcomes (A.Y. 2022-2023)

CONTENT

Sr. No.	Particulars	Details
1	CO/PO - Attainment	A.Y. 2022-2023





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1. CO/PO - Attainment

राजमाता जिजाऊ शिक्षण प्रसारक मंडळाचे, कॉलेज ऑफ फार्मसी

Gat No.101/102, Moshi-Alandi Road, Dudulgaon, Pune.

Post-Alandi, Tal.: Haveli, Pune-412105, Maharashtra (India)

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Principal

CO-PO Attainment Reports
(Sem - 1)
(A.Y. 2022-2023)



Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

B. Pharmacy [2022-23]

Course Outcome

Year : First Year - Sem 1

Subject : Human Anatomy and Physiology I (BP101T)(Theory | Regular)

Course Code : BP101T

Sr. No.	CO Id	Course Outcome	PO/PSO	Cognitive Levels	Knowledge Categories
1	BP101T.1	Understand the gross morphology, structure and functions of various tissues, organs of the human body and know about cellular level of organisation in body.	PO1, PO4, PO9, PO11	Remember, Understand	Factual, Conceptual
2	BP101T.2	Know about structure and functions of skin and know about in detailed information of skeletal system and joints.	PO1, PO4, PO9, PO11	Remember, Understand	Factual, Conceptual
3	BP101T.3	Know about Blood and various body fluids with their significance and disorders. Understand about Lymphatic system and its functions.	PO1, PO9, PO11	Remember, Understand, Apply	Factual, Conceptual, Meta-cognitive
4	BP101T.4	Understand classification and functions of Peripheral nervous system and different sense organs of body.	PO1, PO4, PO9, PO11	Remember, Understand, Apply	Factual, Conceptual, Meta-cognitive
5	BP101T.5	Understand the anatomy and physiology of circulatory system and disorders of heart.	PO1, PO4, PO9, PO11	Remember, Understand	Factual, Conceptual

R Gaikwad



Shakilq



Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

B. Pharmacy [2022-23]

CO PO Desired Mapping Report

Year : First Year - Sem 1

Subject : Human Anatomy and Physiology I (BP101T) - Theory

Faculty : Rajnigandha Gaikwad

Course Code : BP101T

Course Outcome Details

#	Course Outcome	Description
1	BP101T.1	Understand the gross morphology, structure and functions of various tissues, organs of the human body and know about cellular level of organisation in body.
2	BP101T.2	Know about structure and functions of skin and know about in detailed information of skeletal system and joints.
3	BP101T.3	Know about Blood and various body fluids with their significance and disorders. Understand about Lymphatic system and its functions.
4	BP101T.4	Understand classification and functions of Peripheral nervous system and different sense organs of body.
5	BP101T.5	Understand the anatomy and physiology of circulatory system and disorders of heart.

Desired Attainment Details

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BP101T.1	3			1					1		3
BP101T.2	3			1					1		3
BP101T.3	2								1		3
BP101T.4	3								1		3
BP101T.5	3			1					1		3
Average	2.80			1.00					1.00		3.00

Desired Attainment Average : 1.95



R. Gaikwad

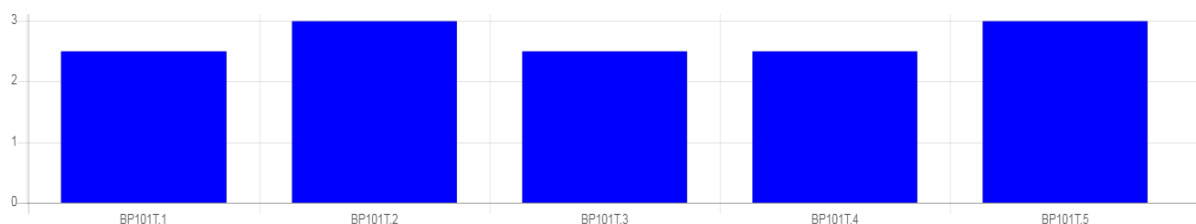


Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

Human Anatomy and Physiology I (BP101T) - Theory (2022-23) [Rajnigandha Gaikwad]

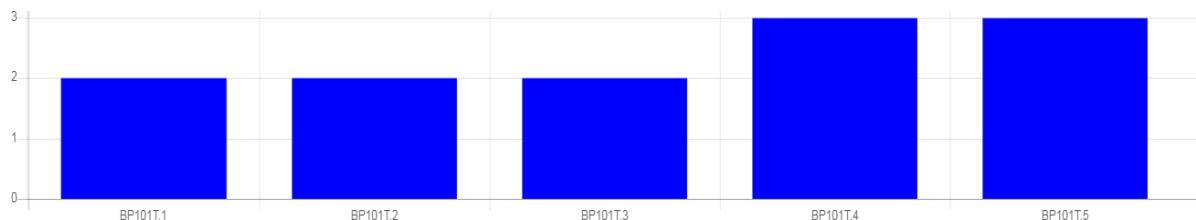
Internal Assessment

Title	Type	% Weightage	BP101T.1	BP101T.2	BP101T.3	BP101T.4	BP101T.5
First Sessional Theory	Internal	25	0.75	0.75	0.75	0.75	0.75
Internal Marks	Internal	25	0.50	0.75	0.50	0.50	0.75
Percent course outcome weightage			50.00	50.00	50.00	50.00	50.00
Attainment as per percent weightage			1.25	1.50	1.25	1.25	1.50
Final attainment			2.5	3	2.5	2.5	3



External Assessment

Title	Type	% Weightage	BP101T.1	BP101T.2	BP101T.3	BP101T.4	BP101T.5
External Theory	External	75	1.50	1.50	1.50	2.25	2.25
Percent course outcome weightage			75.00	75.00	75.00	75.00	75.00
Attainment as per percent weightage			1.5	1.5	1.5	2.25	2.25
Final attainment			2	2	2	3	3



Direct Total Attainment

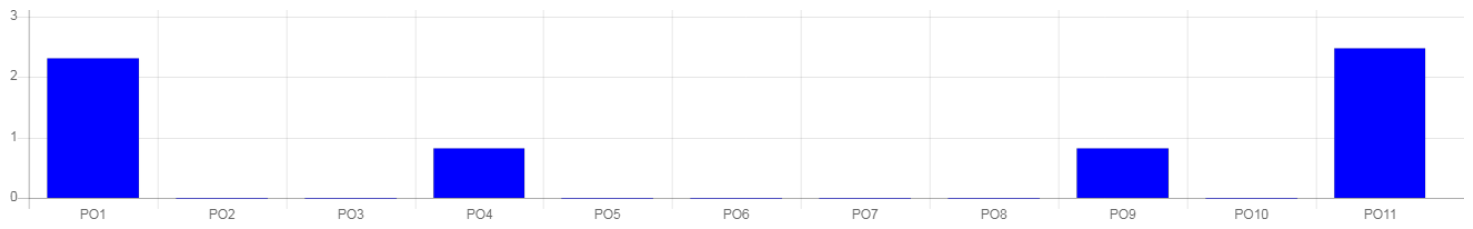
Course Outcome	Internal	External
BP101T.1	2.50	2.00
BP101T.2	3.00	2.00
BP101T.3	2.50	2.00
BP101T.4	2.50	3.00
BP101T.5	3.00	3.00
Average	2.70	2.40
Weightage	25	75
Direct Total Attainment	0.68	1.80
Final Direct Course Attainment	2.48	

Final Attainment

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
Final Attainment	2.31			0.83					0.83		2.48
Percentage	77.00			27.67					27.67		82.67

R. Gaikwad





RGaikwad





Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

B. Pharmacy [2022-23]

Course Outcome

Year : First Year - Sem 1

Subject : Pharmaceutical Analysis I (BP102T)(Theory | Regular)

Course Code : BP102T

Sr. No.	CO Id	Course Outcome	PO/PSO	Cognitive Levels	Knowledge Categories
1	BP101T.1	Explain the principles of volumetric and electrochemical analysis	PO1, PO3, PO11	Remember, Understand, Apply, Evaluate	Factual, Conceptual, Procedural, Practical Constraints
2	BP101T.2	Carry out various volumetric and electrochemical titrations	PO1, PO3, PO11	Remember, Understand, Apply, Evaluate	Factual, Conceptual, Procedural, Practical Constraints
3	BP101T.3	Develop analytical skills	PO1, PO2, PO11	Remember, Understand, Apply, Analyse, Evaluate	Factual, Conceptual, Procedural, Practical Constraints
4	BP101T.4	Outline the method of expressing the concentration with preparation and standardization of various molar and normal solutions.	PO1, PO3, PO11	Remember, Understand, Apply, Analyse, Evaluate	Factual, Conceptual, Procedural, Practical Constraints
5	BP101T.5	Recall the sources, type and method of minimizing the errors.	PO1, PO2, PO11	Remember, Understand	Factual, Conceptual
6	BP101T.6	Explain the principle involved in volumetric and electrochemical analysis of inorganic compounds.	PO1, PO3, PO11	Remember, Understand	Factual, Conceptual





Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

B. Pharmacy [2022-23]

CO PO Desired Mapping Report

Year : First Year - Sem 1

Subject : Pharmaceutical Analysis I (BP102T) - Theory

Faculty : Shruti Hagawane

Course Code : BP102T

Course Outcome Details

#	Course Outcome	Description
1	BP101T.1	Explain the principles of volumetric and electrochemical analysis
2	BP101T.2	Carry out various volumetric and electrochemical titrations
3	BP101T.3	Develop analytical skills
4	BP101T.4	Outline the method of expressing the concentration with preparation and standardization of various molar and normal solutions.
5	BP101T.5	Recall the sources, type and method of minimizing the errors.
6	BP101T.6	Explain the principle involved in volumetric and electrochemical analysis of inorganic compounds.

Desired Attainment Details

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BP101T.1	3		1								3
BP101T.2	3		2								3
BP101T.3	3	3									3
BP101T.4	3		3								3
BP101T.5	3	1									3
BP101T.6	3		1								3
Average	3.00	2.00	1.75								3.00

Desired Attainment Average : 2.44



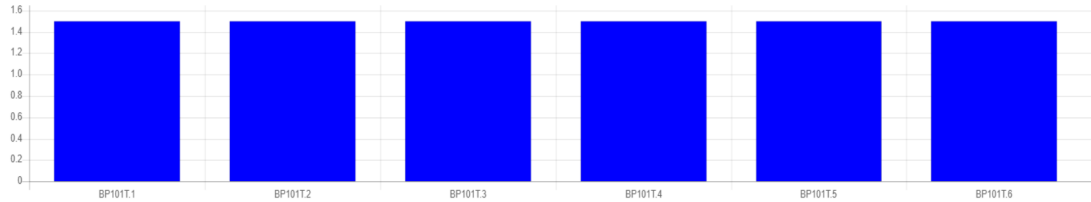


Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

Pharmaceutical Analysis I (BP102T) - Theory (2022-23) [Shruti Hagawane]

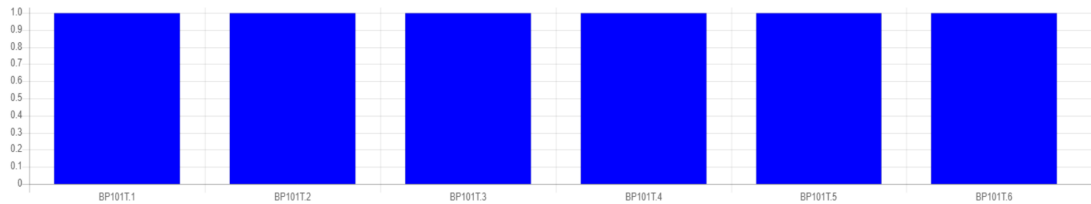
Internal Assessment

Title	Type	% Weightage	BP101T.1	BP101T.2	BP101T.3	BP101T.4	BP101T.5	BP101T.6
Internal Sessional Examination-1	Internal	25	0.25	0.25	0.25	0.25	0.25	0.25
Internal Sessional Examination-2	Internal	25	0.50	0.50	0.50	0.50	0.50	0.50
Percent course outcome weightage			50.00	50.00	50.00	50.00	50.00	50.00
Attainment as per percent weightage			0.75	0.75	0.75	0.75	0.75	0.75
Final attainment			1.5	1.5	1.5	1.5	1.5	1.5



External Assessment

Title	Type	% Weightage	BP101T.1	BP101T.2	BP101T.3	BP101T.4	BP101T.5	BP101T.6
External Theory Examination	External	75	0.75	0.75	0.75	0.75	0.75	0.75
Percent course outcome weightage			75.00	75.00	75.00	75.00	75.00	75.00
Attainment as per percent weightage			0.75	0.75	0.75	0.75	0.75	0.75
Final attainment			1	1	1	1	1	1

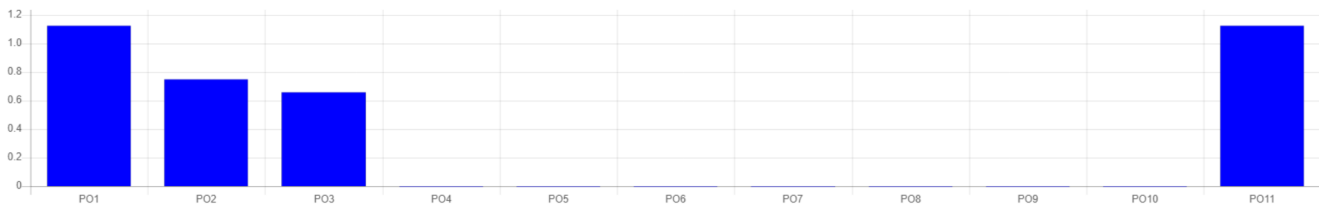


Direct Total Attainment

Course Outcome	Internal	External
BP101T.1	1.50	1.00
BP101T.2	1.50	1.00
BP101T.3	1.50	1.00
BP101T.4	1.50	1.00
BP101T.5	1.50	1.00
BP101T.6	1.50	1.00
Average	1.50	1.00
Weightage	25	75
Direct Total Attainment	0.38	0.75
Final Direct Course Attainment	1.13	

Final Attainment

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
Final Attainment	1.13	0.75	0.66								1.13
Percentage	37.67	25.00	22.00								37.67



Shruti Hagawane





Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

B. Pharmacy [2022-23]

Course Outcome

Year : First Year - Sem 1

Subject : Pharmaceutics I (BP103T)(Theory | Regular)

Course Code : BP103T

Sr. No.	CO Id	Course Outcome	PO/PSO	Cognitive Levels	Knowledge Categories
1	BP103T.1	Know the history of profession of Pharmacy	PO1, PO11	Understand	Conceptual
2	BP103T.2	Understand the various dosage form, pharmaceutical calculation and incompatibilities	PO1, PO3, PO4, PO11	Remember, Understand, Apply	Conceptual, Procedural
3	BP103T.3	Understand the professional way of handling the prescription	PO1, PO7, PO8, PO11	Remember, Understand, Apply	Conceptual
4	BP103T.4	Prepare various conventional dosage form	PO1, PO2, PO3, PO4, PO5	Remember, Understand, Apply, Analyse, Evaluate, Create	Conceptual, Procedural

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Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

B. Pharmacy [2022-23]

CO PO Desired Mapping Report

Year : First Year - Sem 1

Subject : Pharmaceutics I (BP103T) - Theory

Faculty : Nilakshi Nerkar

Course Code : BP103T

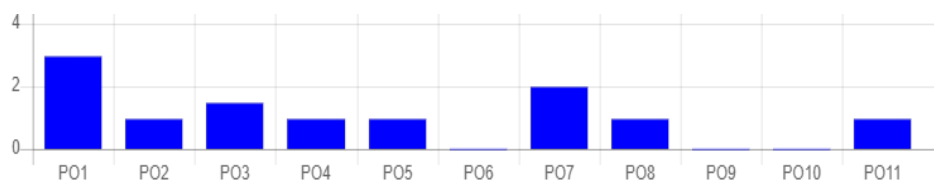
Course Outcome Details

#	Course Outcome	Description
1	BP103T.1	Know the history of profession of Pharmacy
2	BP103T.2	Understand the various dosage form, pharmaceutical calculation and incompatibilities
3	BP103T.3	Understand the professional way of handling the prescription
4	BP103T.4	Prepare various conventional dosage form

Desired Attainment Details

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BP103T.1	3										1
BP103T.2	3		2	1							1
BP103T.3	3						2	1			1
BP103T.4	3	1	1	1	1						
Average	3.00	1.00	1.50	1.00	1.00		2.00	1.00			1.00

Desired Attainment Average : 1.44



Nilakshi Nerkar



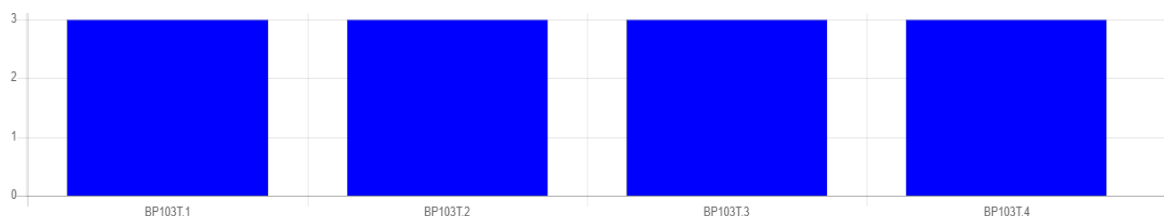


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Pharmaceutics I (BP103T) - Theory (2022-23) [Nilakshi Nerkar]

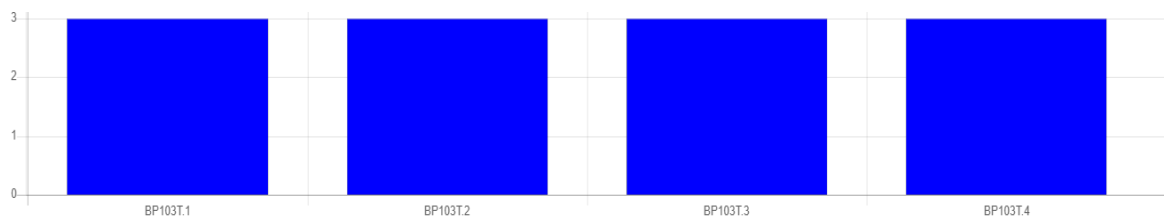
Internal Assessment

Title	Type	% Weightage	BP103T.1	BP103T.2	BP103T.3	BP103T.4
Internal marks	Internal	25	0.75	0.75	0.75	0.75
Percent course outcome weightage			25.00	25.00	25.00	25.00
Attainment as per percent weightage			0.75	0.75	0.75	0.75
Final attainment			3	3	3	3



External Assessment

Title	Type	% Weightage	BP103T.1	BP103T.2	BP103T.3	BP103T.4
External Marks	External	75	2.25	2.25	2.25	2.25
Percent course outcome weightage			75.00	75.00	75.00	75.00
Attainment as per percent weightage			2.25	2.25	2.25	2.25
Final attainment			3	3	3	3

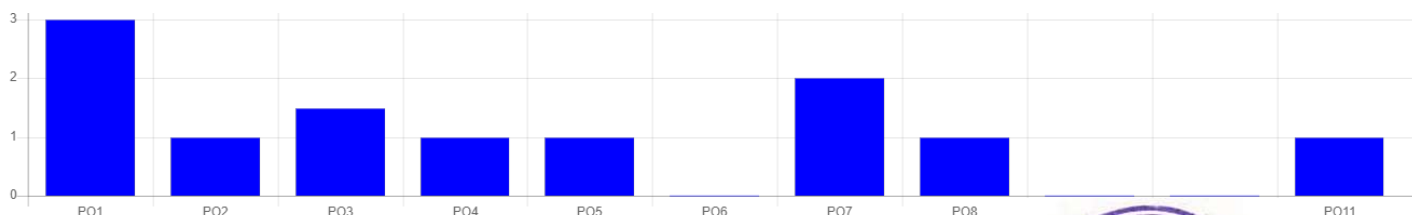


Direct Total Attainment

Course Outcome	Internal	External
BP103T.1	3.00	3.00
BP103T.2	3.00	3.00
BP103T.3	3.00	3.00
BP103T.4	3.00	3.00
Average	3.00	3.00
Weightage	25	75
Direct Total Attainment	0.75	2.25
Final Direct Course Attainment	3.00	

Final Attainment

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
Final Attainment	3.00	1.00	1.50	1.00	1.00		2.00	1.00			1.00
Percentage	100.00	33.33	50.00	33.33	33.33		66.67	33.33			33.33



Nilakshi Nerkar





Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

B. Pharmacy [2022-23]

Course Outcome

Year : First Year - Sem 1

Subject : Pharmaceutical Inorganic Chemistry (BP104T)(Theory | Regular)

Course Code : BP104T

Sr. No.	CO Id	Course Outcome	PO/PSO	Cognitive Levels	Knowledge Categories
1	BP104T.1	Recite the history of Pharmacopoeia.	PO1	Remember, Understand	Factual
2	BP104T.2	Understand different sources of impurities & method for determining the impurities in inorganic drugs & pharmaceuticals.	PO1	Remember, Understand, Evaluate	Factual, Conceptual, Procedural, Criteria & Specifications
3	BP104T.3	Recognize types of water and methods for reducing hardness of water.	PO1, PO10, PO11	Understand, Evaluate	Procedural
4	BP104T.4	Understand the basic concepts of acidity & basicity, buffers and tonicity applicable in pharmaceuticals & also explain the methods of adjusting isotonicity.	PO1	Understand, Apply	Conceptual, Procedural, Criteria & Specifications
5	BP104T.5	Acquire knowledge of various major intra and extra cellular electrolytes and their physiological role along with pharmaceutical compounds.	PO1	Remember, Understand	Factual, Criteria & Specifications
6	BP104T.6	Recall the medicinal and pharmaceutical importance of inorganic compounds.	PO1, PO9	Remember, Understand	Factual
7	BP104T.7	Explain various aspects of radiopharmaceuticals	PO1	Understand	Conceptual, Procedural

Hedpawar



AP



Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

B. Pharmacy [2022-23]

CO PO Desired Mapping Report

Year : First Year - Sem 1

Subject : Pharmaceutical Inorganic Chemistry (BP104T) - Theory

Faculty : Saroja Adepawar

Course Code : BP104T

Course Outcome Details

#	Course Outcome	Description
1	BP104T.1	Recite the history of Pharmacopoeia.
2	BP104T.2	Understand different sources of impurities & method for determining the impurities in inorganic drugs & pharmaceuticals.
3	BP104T.3	Recognize types of water and methods for reducing hardness of water.
4	BP104T.4	Understand the basic concepts of acidity & basicity, buffers and tonicity applicable in pharmaceuticals & also explain the methods of adjusting isotonicity.
5	BP104T.5	Acquire knowledge of various major intra and extra cellular electrolytes and their physiological role along with pharmaceutical compounds.
6	BP104T.6	Recall the medicinal and pharmaceutical importance of inorganic compounds.
7	BP104T.7	Explain various aspects of radiopharmaceuticals

Desired Attainment Details

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BP104T.1	3										
BP104T.2	2										
BP104T.3	3									3	3
BP104T.4	3										
BP104T.5	2										
BP104T.6	2								3		
BP104T.7	2										
Average	2.43								3.00	3.00	3.00

Desired Attainment Average : 2.86



Saroja Adepawar



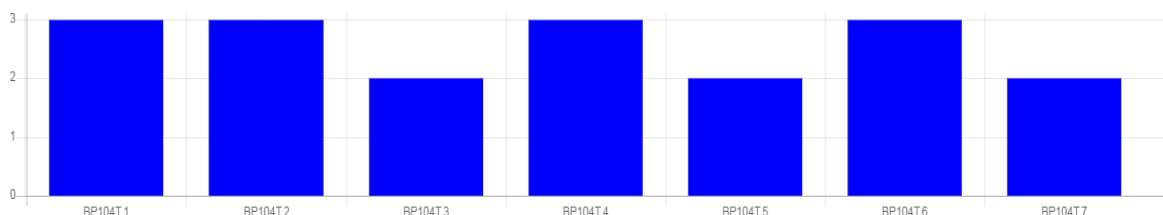


Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

Pharmaceutical Inorganic Chemistry (BP104T) - Theory (2022-23) [Saroja Adepawar]

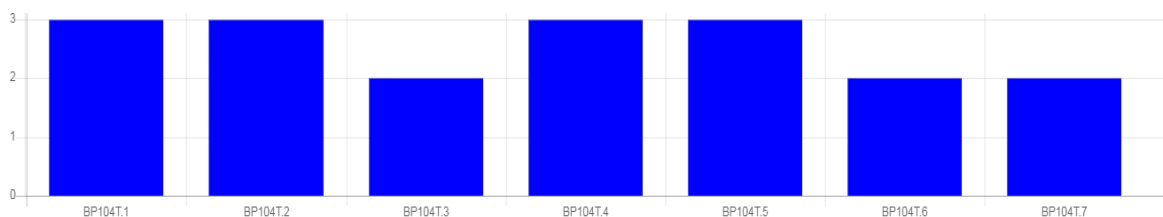
Internal Assessment

Title	Type	% Weightage	BP104T.1	BP104T.2	BP104T.3	BP104T.4	BP104T.5	BP104T.6	BP104T.7
Internal Marks	Internal	25	0.75	0.75	0.50	0.75	0.50	0.75	0.50
Percent course outcome weightage			25.00	25.00	25.00	25.00	25.00	25.00	25.00
Attainment as per percent weightage			0.75	0.75	0.50	0.75	0.50	0.75	0.50
Final attainment			3	3	2	3	2	3	2



External Assessment

Title	Type	% Weightage	BP104T.1	BP104T.2	BP104T.3	BP104T.4	BP104T.5	BP104T.6	BP104T.7
External Marks	External	75	2.25	2.25	1.50	2.25	2.25	1.50	1.50
Percent course outcome weightage			75.00	75.00	75.00	75.00	75.00	75.00	75.00
Attainment as per percent weightage			2.25	2.25	1.5	2.25	2.25	1.5	1.5
Final attainment			3	3	2	3	3	2	2



Direct Total Attainment

Course Outcome	Internal	External
BP104T.1	3.00	3.00
BP104T.2	3.00	3.00
BP104T.3	2.00	2.00
BP104T.4	3.00	3.00
BP104T.5	2.00	3.00
BP104T.6	3.00	2.00
BP104T.7	2.00	2.00
Average	2.57	2.57
Weightage	25	75
Direct Total Attainment	0.64	1.93
Final Direct Course Attainment	2.57	

Final Attainment

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
Final Attainment	2.08								2.57	2.57	2.57
Percentage	69.33								85.67	85.67	85.67



Saroja Adepawar



Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

B. Pharmacy [2022-23]

Course Outcome

Year : First Year - Sem 1

Subject : Communication Skills (BP105T)(Theory | Regular)

Course Code : BP105T

Sr. No.	CO Id	Course Outcome	PO/PSO	Cognitive Levels	Knowledge Categories
1	BP105T.1	Knowledge of basic aspects & soft skills for effective communication.	PO1, PO2, PO8, PO11	Remember, Understand, Apply	Procedural, Meta-cognitive
2	BP105T.2	Distinguish the elements of communication & communication style & its application for effectively manage the team as a team player.	PO1, PO2, PO8, PO11	Understand, Apply, Analyse, Evaluate, Create	Conceptual, Meta-cognitive, Criteria & Specifications, Practical Constraints
3	BP105T.3	Understand the basic listening skills & its importance in pharmacy practice.	PO1, PO2, PO8, PO11	Remember, Understand, Apply, Analyse, Evaluate, Create	Factual, Conceptual, Procedural
4	BP105T.4	Acquire the knowledge of technical writing skill	PO1, PO2, PO8, PO11	Understand, Apply	Conceptual, Procedural, Meta-cognitive
5	BP105T.5	Develop the interview skills & group discussion skills.	PO1, PO2, PO8, PO11	Remember, Understand, Apply, Create	Factual, Procedural, Meta-cognitive, Practical Constraints





Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

B. Pharmacy [2022-23]

CO PO Desired Mapping Report

Year : First Year - Sem 1

Subject : Communication Skills (BP105T) - Theory

Faculty : Dhanshri kachare

Course Code : BP105T

Course Outcome Details

#	Course Outcome	Description
1	BP105T.1	Knowledge of basic aspects & soft skills for effective communication.
2	BP105T.2	Distinguish the elements of communication & communication style & its application for effectively manage the team as a team player.
3	BP105T.3	Understand the basic listening skills & its importance in pharmacy practice.
4	BP105T.4	Acquire the knowledge of technical writing skill
5	BP105T.5	Develop the interview skills & group discussion skills.

Desired Attainment Details

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BP105T.1	2	3						3			2
BP105T.2	3	2						2			2
BP105T.3	3	3						3			3
BP105T.4	3	2						2			3
BP105T.5	3	2						3			2
Average	2.80	2.40						2.60			2.40

Desired Attainment Average : 2.55



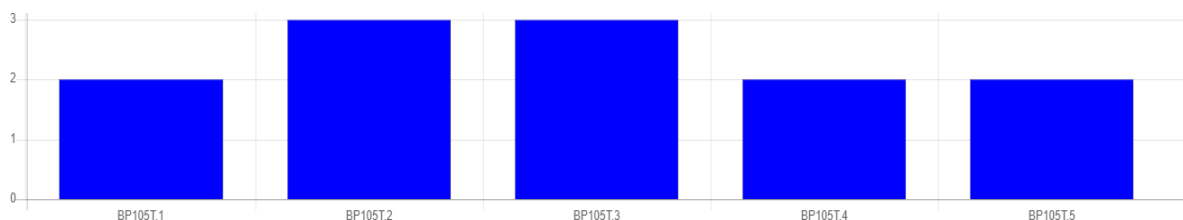


Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

Communication Skills (BP105T) - Theory (2022-23) [Dhanshri kachare]

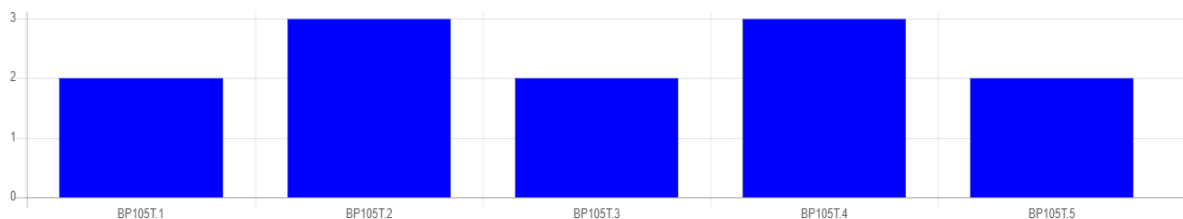
Internal Assessment

Title	Type	% Weightage	BP105T.1	BP105T.2	BP105T.3	BP105T.4	BP105T.5
Internal Marks	Internal	30	0.60	0.90	0.90	0.60	0.60
Percent course outcome weightage			30.00	30.00	30.00	30.00	30.00
Attainment as per percent weightage			0.60	0.90	0.90	0.60	0.60
Final attainment			2	3	3	2	2



External Assessment

Title	Type	% Weightage	BP105T.1	BP105T.2	BP105T.3	BP105T.4	BP105T.5
External Marks	External	70	1.40	2.10	1.40	2.10	1.40
Percent course outcome weightage			70.00	70.00	70.00	70.00	70.00
Attainment as per percent weightage			1.4	2.1	1.4	2.1	1.4
Final attainment			2	3	2	3	2



Direct Total Attainment

Course Outcome	Internal	External
BP105T.1	2.00	2.00
BP105T.2	3.00	3.00
BP105T.3	3.00	2.00
BP105T.4	2.00	3.00
BP105T.5	2.00	2.00
Average	2.40	2.40
Weightage	25	75
Direct Total Attainment	0.60	1.80
Final Direct Course Attainment	2.40	

Final Attainment

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
Final Attainment	2.24	1.92						2.08			1.92
Percentage	74.67	64.00						69.33			64.00





Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

B. Pharmacy [2022-23]

Course Outcome

Year : First Year - Sem 1

Subject : Human Anatomy and Physiology (BP107P)(Practical | Regular)

Course Code : BP107P

Sr. No.	CO Id	Course Outcome	PO/PSO	Cognitive Levels	Knowledge Categories
1	BP107P.1	Explain the anatomy, physiology and functions of various Tissues and cell, organization of cellular system.	PO1, PO11	Remember, Understand, Apply	Factual, Conceptual, Practical Constraints
2	BP107P.2	Identify the various tissues and organs and bones of different systems of human body	PO1, PO6, PO11	Remember, Understand, Apply, Analyse	Factual, Conceptual, Procedural, Meta-cognitive
3	BP107P.3	Understand the parts of compound microscope and its function	PO1, PO4, PO11	Remember, Understand	Factual, Conceptual
4	BP107P.4	Determine the heart rate, pulse rate and parameters of blood such as bleeding time, clotting time, erythrocyte sedimentation rate and haemoglobin content	PO1, PO9, PO11	Apply, Analyse	Factual, Conceptual, Procedural
5	BP107P.5	Know the basic knowledge of haemocytometry	PO1, PO4, PO11	Remember, Understand, Apply	Factual, Conceptual, Procedural
6	BP107P.6	Record the blood pressure.	PO1, PO6, PO11	Remember, Evaluate	Factual, Procedural

Waidya

Shakila





Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune
B. Pharmacy [2022-23]

CO PO Desired Mapping Report

Year : First Year - Sem 1

Subject : Human Anatomy and Physiology (BP107P) - Practical

Faculty : Dhanshri Kachare, Vipra Vaidya

Course Code : BP107P

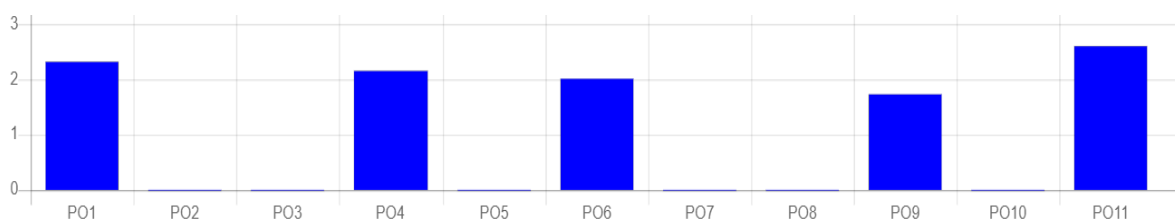
Course Outcome Details

#	Course Outcome	Description
1	BP107P.1	Explain the anatomy, physiology and functions of various Tissues and cell, organization of cellular system.
2	BP107P.2	Identify the various tissues and organs and bones of different systems of human body
3	BP107P.3	Understand the parts of compound microscope and its function
4	BP107P.4	Determine the heart rate, pulse rate and parameters of blood such as bleeding time, clotting time, erythrocyte sedimentation rate and haemoglobin content
5	BP107P.5	Know the basic knowledge of haemocytometry
6	BP107P.6	Record the blood pressure.

Desired Attainment Details

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BP107P.1	3										3
BP107P.2	3					3					3
BP107P.3	2			2							3
BP107P.4	3								2		3
BP107P.5	3			3							3
BP107P.6	2					2					3
Average	2.67			2.50		2.33			2.00		3.00

Desired Attainment Average : 2.50



Vaidya





Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

Human Anatomy and Physiology (BP107P) - Practical (2022-23) [Dhanshri Kachare] [Dhanshri Kachare] [Vipra Valdiya]

Internal Assessment

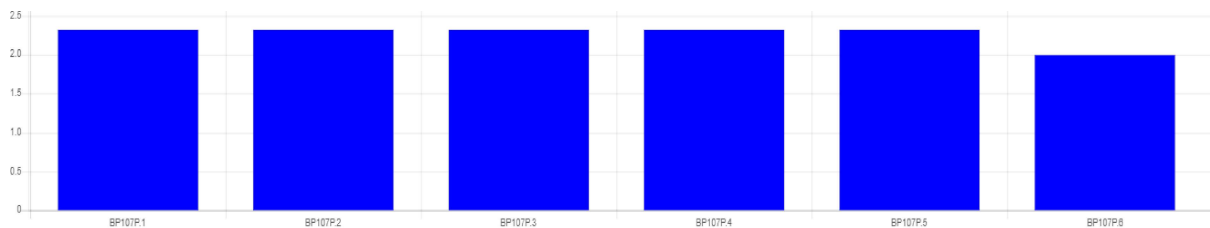
Batch [Batch A] Internal Assessment	Type	% Weightage	BP107P.1	BP107P.2	BP107P.3	BP107P.4	BP107P.5	BP107P.6
Internal marks [Batch A]	Internal	30	0.90	0.60	0.60	0.90	0.60	0.60
Percent course outcome weightage			30.00	30.00	30.00	30.00	30.00	30.00
Attainment as per percent weightage			0.9	0.6	0.6	0.9	0.6	0.6
Final Attainment			3	2	2	3	2	2

Batch [Batch B] Internal Assessment	Type	% Weightage	BP107P.1	BP107P.2	BP107P.3	BP107P.4	BP107P.5	BP107P.6
Internal Marks [Batch B]	Internal	30	0.60	0.90	0.90	0.60	0.90	0.60
Percent course outcome weightage			30.00	30.00	30.00	30.00	30.00	30.00
Attainment as per percent weightage			0.6	0.9	0.9	0.6	0.9	0.6
Final Attainment			2	3	3	2	3	2

Batch [Batch C] Internal Assessment	Type	% Weightage	BP107P.1	BP107P.2	BP107P.3	BP107P.4	BP107P.5	BP107P.6
Internal examination [Batch C]	Internal	30	0.60	0.60	0.60	0.60	0.60	0.60
Percent course outcome weightage			30.00	30.00	30.00	30.00	30.00	30.00
Attainment as per percent weightage			0.6	0.6	0.6	0.6	0.6	0.6
Final Attainment			2	2	2	2	2	2

Internal Assessment Course Outcome Attainment Average

Course Outcome	BP107P.1	BP107P.2	BP107P.3	BP107P.4	BP107P.5	BP107P.6
Average	2.33	2.33	2.33	2.33	2.33	2.00



External Assessment

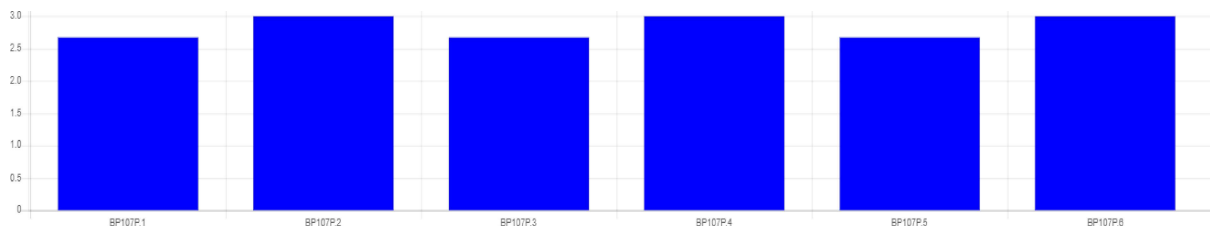
Batch [Batch A] External Assessment	Type	% Weightage	BP107P.1	BP107P.2	BP107P.3	BP107P.4	BP107P.5	BP107P.6
External Marks [Batch A]	External	70	1.40	2.10	1.40	2.10	1.40	2.10
Percent course outcome weightage			70.00	70.00	70.00	70.00	70.00	70.00
Attainment as per percent weightage			1.4	2.1	1.4	2.1	1.4	2.1
Final Attainment			2	3	2	3	2	3

Batch [Batch B] External Assessment	Type	% Weightage	BP107P.1	BP107P.2	BP107P.3	BP107P.4	BP107P.5	BP107P.6
External Marks [Batch B]	External	70	2.10	2.10	2.10	2.10	2.10	2.10
Percent course outcome weightage			70.00	70.00	70.00	70.00	70.00	70.00
Attainment as per percent weightage			2.1	2.1	2.1	2.1	2.1	2.1
Final Attainment			3	3	3	3	3	3

Batch [Batch C] External Assessment	Type	% Weightage	BP107P.1	BP107P.2	BP107P.3	BP107P.4	BP107P.5	BP107P.6
External Examination [Batch C]	External	70	2.10	2.10	2.10	2.10	2.10	2.10
Percent course outcome weightage			70.00	70.00	70.00	70.00	70.00	70.00
Attainment as per percent weightage			2.1	2.1	2.1	2.1	2.1	2.1
Final Attainment			3	3	3	3	3	3

External Assessment Course Outcome Attainment Average

Course Outcome	BP107P.1	BP107P.2	BP107P.3	BP107P.4	BP107P.5	BP107P.6
Average	2.67	3.00	2.67	3.00	2.67	3.00



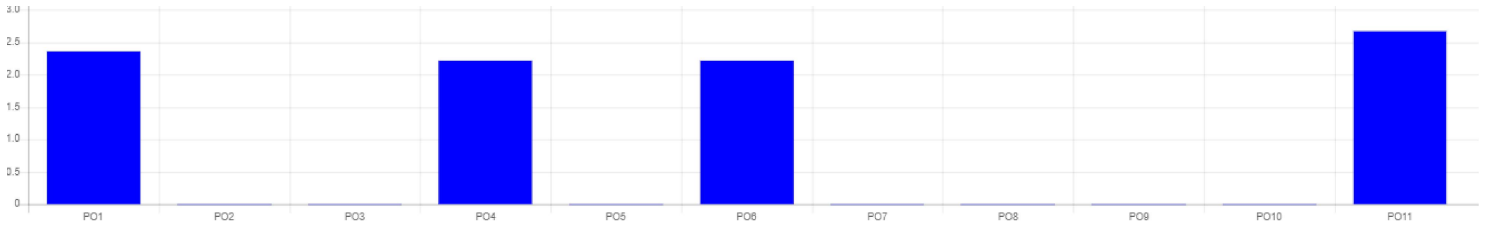
Direct Total Attainment

Course Outcome	Internal	External
BP107P.1	2.33	2.67

BP107P.2	2.33	3.00
BP107P.3	2.33	2.67
BP107P.4	2.33	3.00
BP107P.5	2.33	2.67
BP107P.6	2.00	3.00
Average	2.28	2.83
Weightage	30	70
Direct Total Attainment	0.68	1.98
Final Direct Course Attainment	2.67	

Final Attainment

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
Final Attainment	2.37			2.22		2.22					2.67
Percentage	79.00			74.00		74.00					89.00



Waidya





Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

B. Pharmacy [2022-23]

Course Outcome

Year : First Year - Sem 1

Subject : Pharmaceutical Analysis I (BP108P)(Practical | Regular)

Course Code : BP108P

Sr. No.	CO Id	Course Outcome	PO/PSO	Cognitive Levels	Knowledge Categories
1	BP108P.1	Carry out various volumetric and electrochemical Titrations.	PO1, PO2, PO3, PO4, PO6, PO11	Remember, Understand, Apply, Analyse, Evaluate	Factual, Conceptual, Procedural, Practical Constraints
2	BP108P.2	Determination of Normality by electro-analytical methods.	PO1, PO3, PO11	Remember, Understand, Apply, Analyse, Evaluate	Factual, Conceptual, Procedural, Practical Constraints
3	BP108P.3	Develop analytical skills.	PO1, PO2, PO3, PO4, PO11	Remember, Understand, Create	Factual, Conceptual, Procedural, Meta-cognitive, Fundamental Design Principles, Criteria & Specifications
4	BP108P.4	Prepare and standardize primary and secondary standard solutions of various normality and molarity	PO1, PO2, PO3, PO11	Remember, Understand, Apply, Analyse, Evaluate	Factual, Conceptual, Procedural, Practical Constraints

Vaidya



AF



Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune
B. Pharmacy [2022-23]

CO PO Desired Mapping Report

Year : First Year - Sem 1

Subject : Pharmaceutical Analysis I (BP108P) - Practical

Faculty : Shruti Hagawane, Vipra Vaidya

Course Code : BP108P

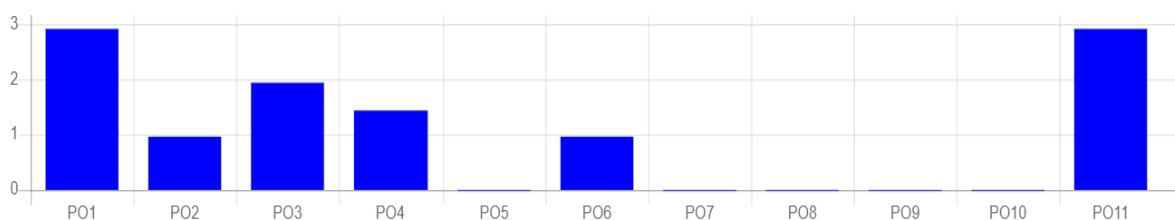
Course Outcome Details

#	Course Outcome	Description
1	BP108P.1	Carry out various volumetric and electrochemical Titrations.
2	BP108P.2	Determination of Normality by electro-analytical methods.
3	BP108P.3	Develop analytical skills.
4	BP108P.4	Prepare and standardize primary and secondary standard solutions of various normality and molarity

Desired Attainment Details

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BP108P.1	3	1	2	1		1					3
BP108P.2	3		2								3
BP108P.3	3	1	2	2							3
BP108P.4	3	1	2								3
Average	3.00	1.00	2.00	1.50		1.00					3.00

Desired Attainment Average : 1.92



Vaidya





Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

Pharmaceutical Analysis I (BP108P) - Practical (2022-23) [Shruti Hagawane] [Vipra Vaidya] [Shruti Hagawane]

Internal Assessment

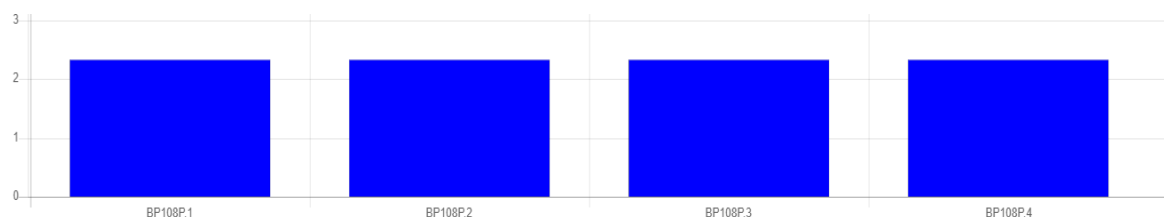
Batch [Batch A] Internal Assessment	Type	% Weightage	BP108P.1	BP108P.2	BP108P.3	BP108P.4
Internal marks [Batch A]	Internal	30	0.60	0.60	0.60	0.60
Percent course outcome weightage			30.00	30.00	30.00	30.00
Attainment as per percent weightage			0.6	0.6	0.6	0.6
Final Attainment			2	2	2	2

Batch [Batch B] Internal Assessment	Type	% Weightage	BP108P.1	BP108P.2	BP108P.3	BP108P.4
INTERNAL EXAMINATION [Batch B]	Internal	30	0.90	0.90	0.90	0.90
Percent course outcome weightage			30.00	30.00	30.00	30.00
Attainment as per percent weightage			0.9	0.9	0.9	0.9
Final Attainment			3	3	3	3

Batch [Batch C] Internal Assessment	Type	% Weightage	BP108P.1	BP108P.2	BP108P.3	BP108P.4
Internal Sessional Practical Exam [Batch C]	Internal	30	0.60	0.60	0.60	0.60
Percent course outcome weightage			30.00	30.00	30.00	30.00
Attainment as per percent weightage			0.6	0.6	0.6	0.6
Final Attainment			2	2	2	2

Internal Assessment Course Outcome Attainment Average

Course Outcome	BP108P.1	BP108P.2	BP108P.3	BP108P.4
Average	2.33	2.33	2.33	2.33



External Assessment

Batch [Batch A] External Assessment	Type	% Weightage	BP108P.1	BP108P.2	BP108P.3	BP108P.4
University Practical Examination [Batch A]	External	70	1.40	1.40	1.40	1.40
Percent course outcome weightage			70.00	70.00	70.00	70.00
Attainment as per percent weightage			1.4	1.4	1.4	1.4
Final Attainment			2	2	2	2

Batch [Batch B] External Assessment	Type	% Weightage	BP108P.1	BP108P.2	BP108P.3	BP108P.4
EXTERNAL EXAMINATION [Batch B]	External	70	2.10	2.10	2.10	2.10
Percent course outcome weightage			70.00	70.00	70.00	70.00
Attainment as per percent weightage			2.1	2.1	2.1	2.1
Final Attainment			3	3	3	3

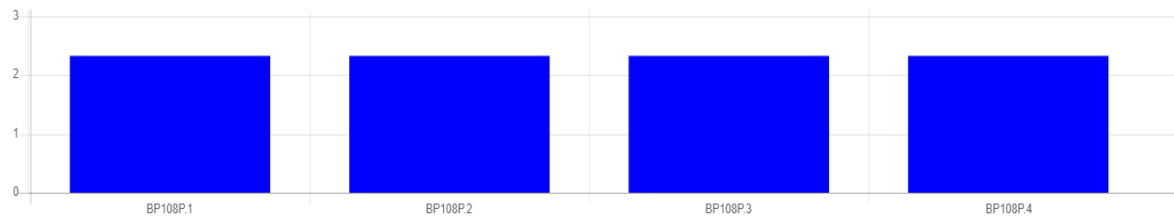
Batch [Batch C] External Assessment	Type	% Weightage	BP108P.1	BP108P.2	BP108P.3	BP108P.4
External Practical Examination [Batch C]	External	70	1.40	1.40	1.40	1.40
Percent course outcome weightage			70.00	70.00	70.00	70.00
Attainment as per percent weightage			1.4	1.4	1.4	1.4
Final Attainment			2	2	2	2

External Assessment Course Outcome Attainment Average

Course Outcome	BP108P.1	BP108P.2	BP108P.3	BP108P.4
Average	2.33	2.33	2.33	2.33

Vaidya



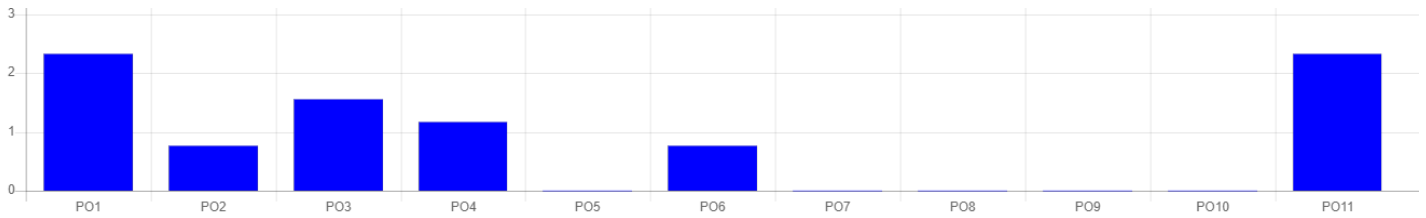


Direct Total Attainment

Course Outcome	Internal	External
BP108P.1	2.33	2.33
BP108P.2	2.33	2.33
BP108P.3	2.33	2.33
BP108P.4	2.33	2.33
Average	2.33	2.33
Weightage	30	70
Direct Total Attainment	0.70	1.63
Final Direct Course Attainment	2.33	

Final Attainment

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
Final Attainment	2.33	0.78	1.56	1.17		0.78					2.33
Percentage	77.67	26.00	52.00	39.00		26.00					77.67



Waidya





Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

B. Pharmacy [2022-23]

Course Outcome

Year : First Year - Sem 1

Subject : Pharmaceutics I (BP109P)(Practical | Regular)

Course Code : BP109P

Sr. No.	CO Id	Course Outcome	PO/PSO	Cognitive Levels	Knowledge Categories
1	BP109P.1	Able to explain formulation, role of ingredients and labeling and of Syrup, Elixir and Linctus	PO1, PO2, PO6, PO7, PO9, PO11	Remember, Understand	Conceptual
2	BP109P.2	Able to explain formulation, role of ingredients and labeling and of Solutions, Suspensions and Emulsions	PO1, PO2, PO4, PO11	Understand, Apply, Analyse, Evaluate	Factual, Conceptual, Practical Constraints
3	BP109P.3	Able to explain formulation, role of ingredients and labeling and of Powder, Granules, Mouthwashes and Gargles	PO1, PO4, PO11	Apply, Analyse	Factual, Procedural, Practical Constraints
4	BP109P.4	Able to explain formulation, role of ingredients and labeling of Suppositories and Semisolid Preparations	PO1, PO2, PO4, PO11	Apply, Analyse, Evaluate	Factual, Procedural, Practical Constraints

Jijau

राजमाता





Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

B. Pharmacy [2022-23]

CO PO Desired Mapping Report

Year : First Year - Sem 1

Subject : Pharmaceutics I (BP109P) - Practical

Faculty : Nilakshi Nerkar, Prof. Priyanka Suryakant Deorankar

Course Code : BP109P

Course Outcome Details

#	Course Outcome	Description
1	BP109P.1	Able to explain formulation, role of ingredients and labeling and of Syrup, Elixir and Linctus
2	BP109P.2	Able to explain formulation, role of ingredients and labeling and of Solutions, Suspensions and Emulsions
3	BP109P.3	Able to explain formulation, role of ingredients and labeling and of Powder, Granules, Mouthwashes and Gargles
4	BP109P.4	Able to explain formulation, role of ingredients and labeling of Suppositories and Semisolid Preparations

Desired Attainment Details

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BP109P.1	3	2				1	1		1		1
BP109P.2	3	1		1							1
BP109P.3	3			1							1
BP109P.4	3	1		1							1
Average	3.00	1.33		1.00		1.00	1.00		1.00		1.00

Desired Attainment Average : 1.33



Nilakshi Nerkar





Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

Pharmaceutics I (BP109P) - Practical (2022-23) [Nilakshi Nerkar] [Nilakshi Nerkar] [Prof. Priyanka Suryakant Deorankar]

Internal Assessment

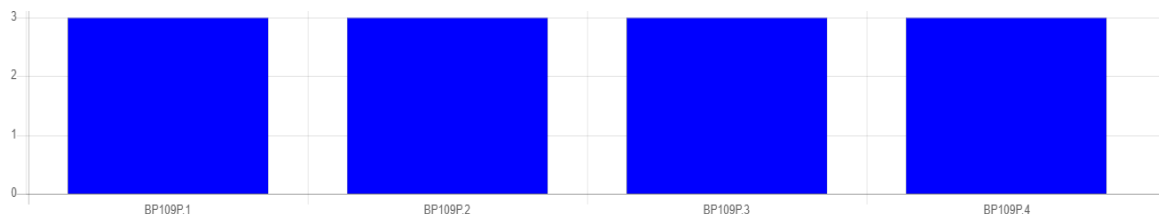
Batch [Batch A] Internal Assessment	Type	% Weightage	BP109P.1	BP109P.2	BP109P.3	BP109P.4
Internal [Batch A]	Internal	30	0.90	0.90	0.90	0.90
Percent course outcome weightage			30.00	30.00	30.00	30.00
Attainment as per percent weightage			0.9	0.9	0.9	0.9
Final Attainment			3	3	3	3

Batch [Batch B] Internal Assessment	Type	% Weightage	BP109P.1	BP109P.2	BP109P.3	BP109P.4
Internal [Batch B]	Internal	30	0.90	0.90	0.90	0.90
Percent course outcome weightage			30.00	30.00	30.00	30.00
Attainment as per percent weightage			0.9	0.9	0.9	0.9
Final Attainment			3	3	3	3

Batch [Batch C] Internal Assessment	Type	% Weightage	BP109P.1	BP109P.2	BP109P.3	BP109P.4
Internal Marks [Batch C]	Internal	30	0.90	0.90	0.90	0.90
Percent course outcome weightage			30.00	30.00	30.00	30.00
Attainment as per percent weightage			0.9	0.9	0.9	0.9
Final Attainment			3	3	3	3

Internal Assessment Course Outcome Attainment Average

Course Outcome	BP109P.1	BP109P.2	BP109P.3	BP109P.4
Average	3.00	3.00	3.00	3.00



External Assessment

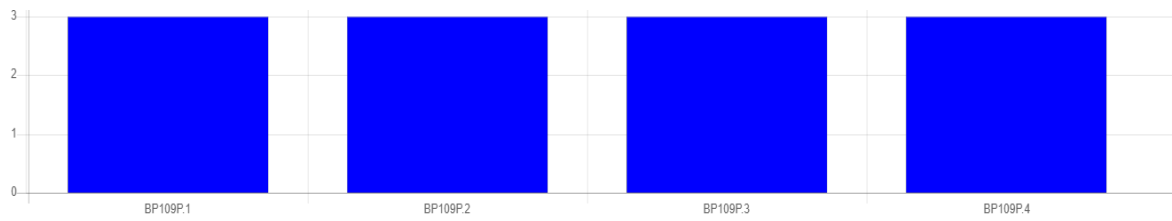
Batch [Batch A] External Assessment	Type	% Weightage	BP109P.1	BP109P.2	BP109P.3	BP109P.4
External [Batch A]	External	70	2.10	2.10	2.10	2.10
Percent course outcome weightage			70.00	70.00	70.00	70.00
Attainment as per percent weightage			2.1	2.1	2.1	2.1
Final Attainment			3	3	3	3

Batch [Batch B] External Assessment	Type	% Weightage	BP109P.1	BP109P.2	BP109P.3	BP109P.4
External [Batch B]	External	70	2.10	2.10	2.10	2.10
Percent course outcome weightage			70.00	70.00	70.00	70.00
Attainment as per percent weightage			2.1	2.1	2.1	2.1
Final Attainment			3	3	3	3

Batch [Batch C] External Assessment	Type	% Weightage	BP109P.1	BP109P.2	BP109P.3	BP109P.4
External Marks [Batch C]	External	70	2.10	2.10	2.10	2.10
Percent course outcome weightage			70.00	70.00	70.00	70.00
Attainment as per percent weightage			2.1	2.1	2.1	2.1
Final Attainment			3	3	3	3

External Assessment Course Outcome Attainment Average

Course Outcome	BP109P.1	BP109P.2	BP109P.3	BP109P.4
Average	3.00	3.00	3.00	3.00

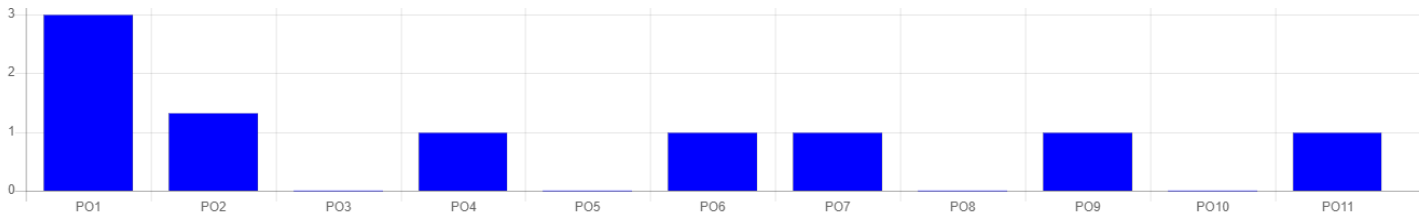


Direct Total Attainment

Course Outcome	Internal	External
BP109P.1	3.00	3.00
BP109P.2	3.00	3.00
BP109P.3	3.00	3.00
BP109P.4	3.00	3.00
Average	3.00	3.00
Weightage	30	70
Direct Total Attainment	0.90	2.10
Final Direct Course Attainment	3.00	

Final Attainment

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
Final Attainment	3.00	1.33		1.00		1.00	1.00		1.00		1.00
Percentage	100.00	44.33		33.33		33.33	33.33		33.33		33.33



Jilakh...





Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

B. Pharmacy [2022-23]

Course Outcome

Year : First Year - Sem 1

Subject : Pharmaceutical Inorganic Chemistry (BP110P)(Practical | Regular)

Course Code : BP110P

Sr. No.	CO Id	Course Outcome	PO/PSO	Cognitive Levels	Knowledge Categories
1	BP110P.1	Understand & perform the limit test of chloride, sulfate , Iron, arsenic ,lead and heavy metals	PO1	Remember, Understand, Apply, Analyse	Procedural, Practical Constraints
2	BP110P.2	Know about identification test for the sodium bicarbonate, magnesium hydroxide, copper sulfate , calcium gluconate & ferrous sulphate.	PO1	Understand, Apply, Analyse, Evaluate	Procedural, Practical Constraints
3	BP110P.3	Understand and perform the test of purification of Bentonite by measuring swelling power/index	PO1	Understand, Apply, Analyse	Procedural, Practical Constraints
4	BP110P.4	Understand and perform the test for purification of neutralizing capacity of Aluminium hydroxide gel	PO1	Understand, Apply, Analyse	Procedural, Practical Constraints
5	BP110P.5	Determination of potassium iodate and iodine in potassium iodide	PO1	Understand, Apply, Analyse	Procedural, Practical Constraints
6	BP110P.6	Preparation of inorganic pharmaceuticals such as boric acid, potash alum and ferrous sulphate	PO1	Understand, Apply, Analyse	Procedural, Practical Constraints

H. Jayaram



PH



Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

B. Pharmacy [2022-23]

CO PO Desired Mapping Report

Year : First Year - Sem 1

Subject : Pharmaceutical Inorganic Chemistry (BP110P) - Practical

Faculty : Archana Thihekar, Saroja Adepawar

Course Code : BP110P

Course Outcome Details

#	Course Outcome	Description
1	BP110P.1	Understand & perform the limit test of chloride, sulfate, Iron, arsenic, lead and heavy metals
2	BP110P.2	Know about identification test for the sodium bicarbonate, magnesium hydroxide, copper sulfate, calcium gluconate & ferrous sulphate.
3	BP110P.3	Understand and perform the test of purification of Bentonite by measuring swelling power/index
4	BP110P.4	Understand and perform the test for purification of neutralizing capacity of Aluminium hydroxide gel
5	BP110P.5	Determination of potassium iodate and iodine in potassium iodide
6	BP110P.6	Preparation of inorganic pharmaceuticals such as boric acid, potash alum and ferrous sulphate

Desired Attainment Details

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BP110P.1	3										
BP110P.2	3										
BP110P.3	3										
BP110P.4	3										
BP110P.5	3										
BP110P.6	3										
Average	3.00										

Desired Attainment Average : 3.00



Saroja Adepawar





Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

Pharmaceutical Inorganic Chemistry (BP110P) - Practical (2022-23) [Archana Thikekar] [Archana Thikekar] [Saroja Adeparwar]

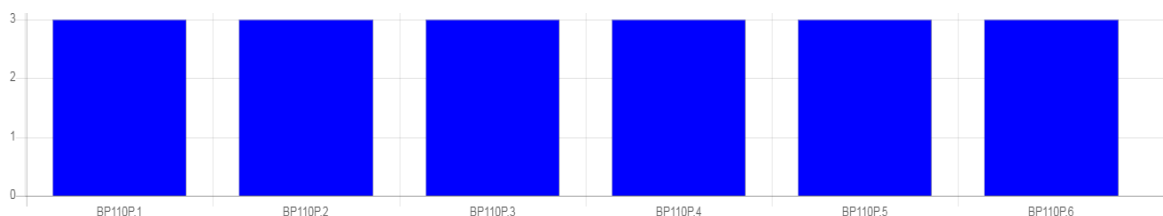
Internal Assessment

Batch [Batch C] Internal Assessment	Type	% Weightage	BP110P.1	BP110P.2	BP110P.3	BP110P.4	BP110P.5	BP110P.6
Internal Marks [Batch C]	Internal	30	0.90	0.90	0.90	0.90	0.90	0.90
Percent course outcome weightage			30.00	30.00	30.00	30.00	30.00	30.00
Attainment as per percent weightage			0.9	0.9	0.9	0.9	0.9	0.9
Final Attainment			3	3	3	3	3	3

Batch [Batch A, Batch B, Batch C] Internal Assessment	Type	% Weightage	BP110P.1	BP110P.2	BP110P.3	BP110P.4	BP110P.5	BP110P.6
INTERNAL [Batch A, Batch B, Batch C]	Internal	30	0.90	0.90	0.90	0.90	0.90	0.90
Percent course outcome weightage			30.00	30.00	30.00	30.00	30.00	30.00
Attainment as per percent weightage			0.9	0.9	0.9	0.9	0.9	0.9
Final Attainment			3	3	3	3	3	3

Internal Assessment Course Outcome Attainment Average

Course Outcome	BP110P.1	BP110P.2	BP110P.3	BP110P.4	BP110P.5	BP110P.6
Average	3.00	3.00	3.00	3.00	3.00	3.00



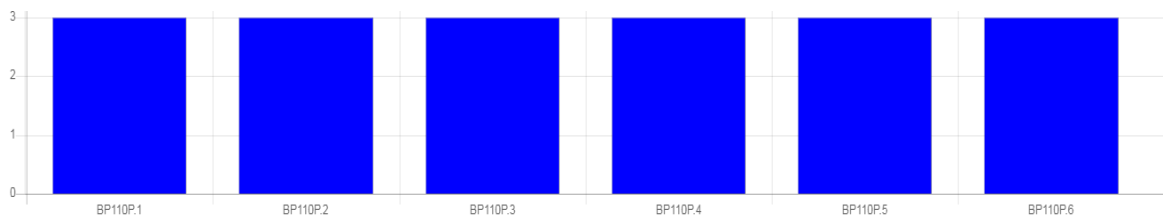
External Assessment

Batch [Batch C] External Assessment	Type	% Weightage	BP110P.1	BP110P.2	BP110P.3	BP110P.4	BP110P.5	BP110P.6
External Marks [Batch C]	External	70	2.10	2.10	2.10	2.10	2.10	2.10
Percent course outcome weightage			70.00	70.00	70.00	70.00	70.00	70.00
Attainment as per percent weightage			2.1	2.1	2.1	2.1	2.1	2.1
Final Attainment			3	3	3	3	3	3

Batch [Batch A, Batch B, Batch C] External Assessment	Type	% Weightage	BP110P.1	BP110P.2	BP110P.3	BP110P.4	BP110P.5	BP110P.6
EXTERNAL [Batch A, Batch B, Batch C]	External	70	2.10	2.10	2.10	2.10	2.10	2.10
Percent course outcome weightage			70.00	70.00	70.00	70.00	70.00	70.00
Attainment as per percent weightage			2.1	2.1	2.1	2.1	2.1	2.1
Final Attainment			3	3	3	3	3	3

External Assessment Course Outcome Attainment Average

Course Outcome	BP110P.1	BP110P.2	BP110P.3	BP110P.4	BP110P.5	BP110P.6
Average	3.00	3.00	3.00	3.00	3.00	3.00



Direct Total Attainment

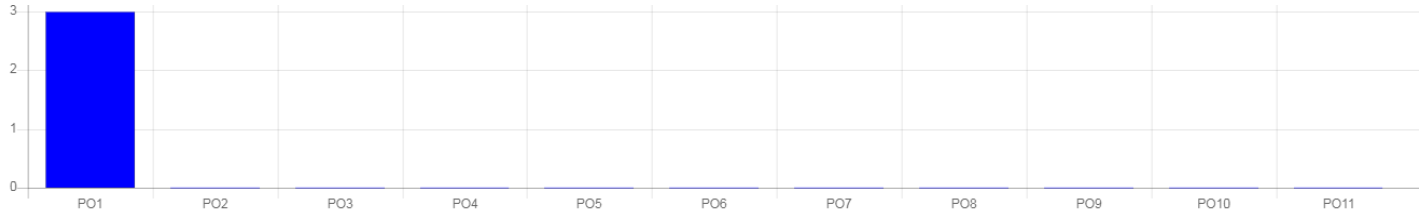
Course Outcome	Internal	External
BP110P.1	3.00	3.00
BP110P.2	3.00	3.00
BP110P.3	3.00	3.00
BP110P.4	3.00	3.00

Saroja Adeparwar

BP110P.5	3.00	3.00
BP110P.6	3.00	3.00
Average	3.00	3.00
Weightage	25	75
Direct Total Attainment	0.75	2.25
Final Direct Course Attainment	3.00	

Final Attainment

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
Final Attainment	3.00										
Percentage	100.00										



H. Desai





Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

B. Pharmacy [2022-23]

Course Outcome

Year : First Year - Sem 1

Subject : Communication skills (BP111P)(Practical | Regular)

Course Code : BP111P

Sr. No.	CO Id	Course Outcome	PO/PSO	Cognitive Levels	Knowledge Categories
1	BP111P.1	Understand basic communication skills to interact effectively.	PO6, PO8, PO9, PO11	Understand, Apply	Meta-cognitive, Practical Constraints
2	BP111P.2	Knowledge of soft skills set to work cohesively with team as a team player.	PO6, PO8, PO9	Apply, Analyse, Create	Conceptual, Meta-cognitive, Practical Constraints

Deek

SPM





Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

B. Pharmacy [2022-23]

CO PO Desired Mapping Report

Year : First Year - Sem 1

Subject : Communication skills (BP111P) - Practical

Faculty : Prof. Priyanka Suryakant Deorankar, Saroja Adepawar

Course Code : BP111P

Course Outcome Details

#	Course Outcome	Description
1	BP111P.1	Understand basic communication skills to interact effectively.
2	BP111P.2	Knowledge of soft skills set to work cohesively with team as a team player.

Desired Attainment Details

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BP111P.1						2		3	2		2
BP111P.2						2		3	2		
Average						2.00		3.00	2.00		2.00

Desired Attainment Average : 2.25



Deorankar





Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

Communication skills (BP111P) - Practical (2022-23) [Prof. Priyanka Suryakant Deorankar] [Prof. Priyanka Suryakant Deorankar] [Saroja Adepawar]

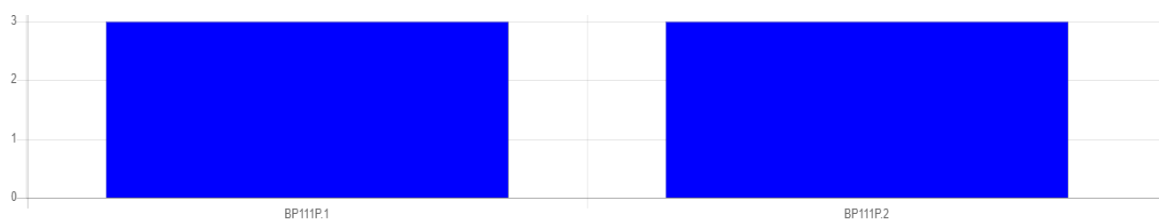
Internal Assessment

Batch [Batch C] Internal Assessment	Type	% Weightage	BP111P.1	BP111P.2
Internal Marks [Batch C]	Internal	40	1.20	1.20
Percent course outcome weightage			40.00	40.00
Attainment as per percent weightage			1.2	1.2
Final Attainment			3	3

Batch [Batch A, Batch B, Batch C] Internal Assessment	Type	% Weightage	BP111P.1	BP111P.2
Percent course outcome weightage				
Attainment as per percent weightage				
Final Attainment				

Internal Assessment Course Outcome Attainment Average

Course Outcome	BP111P.1	BP111P.2
Average	3.00	3.00



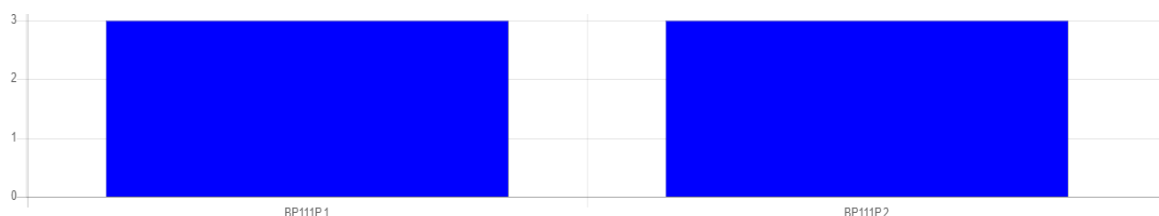
External Assessment

Batch [Batch C] External Assessment	Type	% Weightage	BP111P.1	BP111P.2
External Marks [Batch C]	External	60	1.80	1.80
Percent course outcome weightage			60.00	60.00
Attainment as per percent weightage			1.8	1.8
Final Attainment			3	3

Batch [Batch A, Batch B, Batch C] External Assessment	Type	% Weightage	BP111P.1	BP111P.2
Percent course outcome weightage				
Attainment as per percent weightage				
Final Attainment				

External Assessment Course Outcome Attainment Average

Course Outcome	BP111P.1	BP111P.2
Average	3.00	3.00

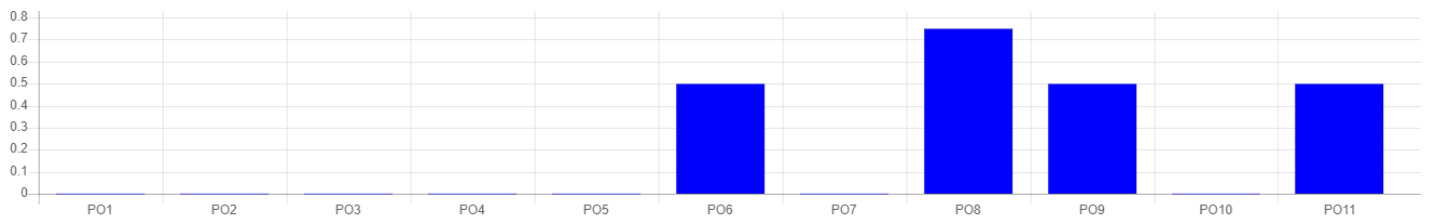


Direct Total Attainment

Course Outcome	Internal	External
BP111P.1	3.00	3.00
BP111P.2	3.00	3.00
Average	3.00	3.00
Weightage	10	15
Direct Total Attainment	0.30	0.45
Final Direct Course Attainment	0.75	

Final Attainment

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
Final Attainment						0.50		0.75	0.50		0.50
Percentage						16.67		25.00	16.67		16.67



Deek





Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

B. Pharmacy [2022-23]

Course Outcome

Year : Second Year - SEM 3

Subject : COMMUNICATION SKILL(Practical | Elective)

Course Code : BP111P

Sr. No.	CO Id	Course Outcome	PO/PSO	Cognitive Levels	Knowledge Categories
1	BP111P.1	Understand basic communication skills to interact effectively.	PO6, PO8, PO9, PO11	Understand, Apply	Meta-cognitive, Practical Constraints
2	BP111P.2	Knowledge of soft skills set to work cohesively with team as a team player.	PO6, PO8, PO9, PO11	Apply, Analyse, Create	Conceptual, Meta-cognitive, Practical Constraints
3	BP11P.3	Pronounce different sounds in Consonant, Vowels and Nouns	PO6, PO8, PO11	Remember, Understand, Apply	Factual, Conceptual
4	BP11P.4	Able to Handle the language laboratory software properly	PO4, PO11	Understand, Apply, Analyse	Conceptual, Practical Constraints

SrB

J. Sohamal





Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

B. Pharmacy [2022-23]

CO PO Desired Mapping Report

Year : Second Year - SEM 3

Subject : COMMUNICATION SKILL - Practical

Faculty :

Course Code : BP111P

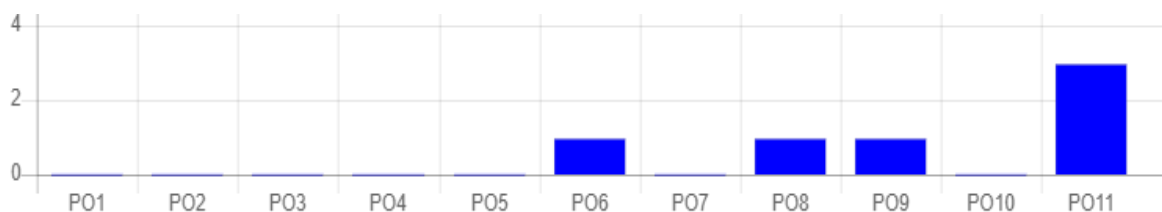
Course Outcome Details

#	Course Outcome	Description
1	BP111P.1	Understand basic communication skills to interact effectively.
2	BP111P.2	Knowledge of soft skills set to work cohesively with team as a team player.
3	BP11P.3	Pronounce different sounds in Consonant, Vowels and Nouns
4	BP11P.4	Able to Handle the language laboratory software properly

Desired Attainment Details

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BP111P.1						1		1	1		3
BP111P.2						1		1	1		3
BP11P.3						1		1			3
BP11P.4						1					3
Average						1.00		1.00	1.00		3.00

Desired Attainment Average : 1.50



STB



Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

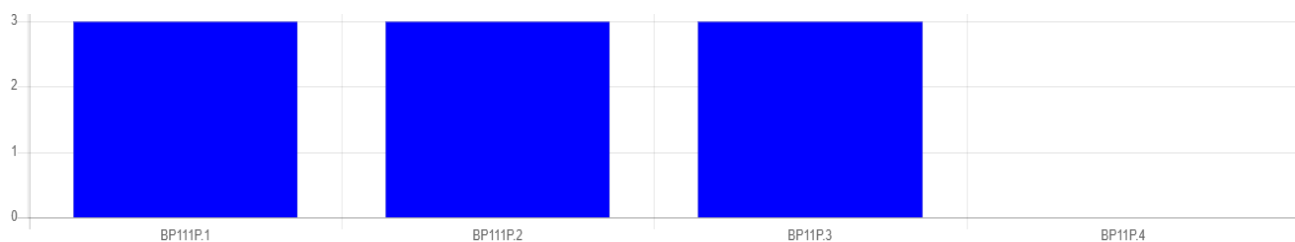
COMMUNICATION SKILL - Practical (2022-23)

Internal Assessment

Batch [Batch A] Internal Assessment	Type	% Weightage	BP111P.1	BP111P.2	BP111P.3	BP111P.4
Internal [Batch A]	Internal	40	1.20	1.20	1.20	
Percent course outcome weightage			40.00	40.00	40.00	
Attainment as per percent weightage			1.2	1.2	1.2	
Final Attainment			3	3	3	

Internal Assessment Course Outcome Attainment Average

Course Outcome	BP111P.1	BP111P.2	BP111P.3	BP111P.4
Average	3.00	3.00	3.00	

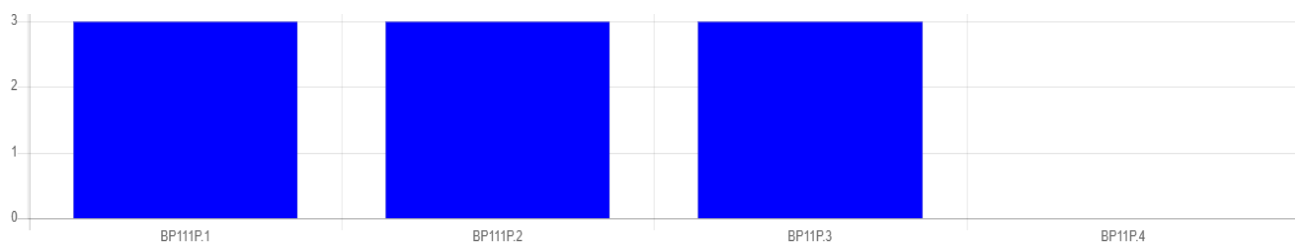


External Assessment

Batch [Batch A] External Assessment	Type	% Weightage	BP111P.1	BP111P.2	BP111P.3	BP111P.4
External [Batch A]	External	60	1.80	1.80	1.80	
Percent course outcome weightage			60.00	60.00	60.00	
Attainment as per percent weightage			1.8	1.8	1.8	
Final Attainment			3	3	3	

External Assessment Course Outcome Attainment Average

Course Outcome	BP111P.1	BP111P.2	BP111P.3	BP111P.4
Average	3.00	3.00	3.00	



Direct Total Attainment

Course Outcome	Internal	External
BP111P.1	3.00	3.00
BP111P.2	3.00	3.00
BP111P.3	3.00	3.00
BP111P.4		
Average	2.25	2.25
Weightage	30	70
Direct Total Attainment	0.68	1.57
Final Direct Course Attainment	2.25	

Final Attainment

57.5

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
Final Attainment						0.75		0.75	0.75		2.25
Percentage						25.00		25.00	25.00		75.00



RAJMATA JIJAU SHIKSHAN PRASARAK MANDAL'S
COLLEGE OF PHARMACY (B.Pharm.)

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CO-PO Attainment Report
(Sem - 2)
(A.Y. 2022-2023)



Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

B. Pharmacy [2022-23]

Course Outcome

Year : First Year - Sem 2

Subject : Human Anatomy and Physiology II (BP201T)(Theory | Regular)

Course Code : BP201T

Sr. No.	CO Id	Course Outcome	PO/PSO	Cognitive Levels	Knowledge Categories
1	BP207P.1	Understand various systems using specimen, models, etc.,	PO1, PO4, PO6, PO9	Remember, Understand	Factual, Conceptual
2	BP207P.2	Demonstrate the neurological examination, function of olfactory nerve, visual acuity, reflex activity and positive and negative feedback mechanism	PO1, PO9	Remember, Understand, Apply	Factual, Conceptual, Meta-cognitive
3	BP207P.3	Record the body temperature and and basal mass index	PO1, PO6, PO9	Remember, Understand, Apply, Analyse	Factual, Conceptual, Procedural
4	BP207P.4	Determine different types of taste as well as tidal volume and vital capacity	PO1, PO6, PO9	Remember, Understand, Analyse	Factual, Conceptual, Procedural
5	BP207P.5	Study the family planning devices and pregnancy diagnosis test	PO1, PO6, PO9	Remember, Understand	Factual, Conceptual
6	BP207P.6	Study of different systems present in our body.	PO1	Remember, Understand	Conceptual
7	BP207P.7	Practice and understand the procedure for calculating Platelet count and differential leukocyte count.	PO1	Remember, Understand	Conceptual, Procedural
8	BP207P.8	Study of some changes in our metabolism and reflex activity.	PO1	Understand	Conceptual





Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

B. Pharmacy [2022-23]

CO PO Desired Mapping Report

Year : First Year - Sem 2

Subject : Human Anatomy and Physiology II (BP201T) - Theory

Faculty : Dhanshri kachare

Course Code : BP201T

Course Outcome Details

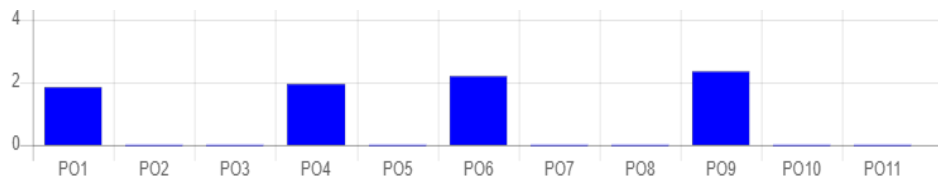
#	Course Outcome	Description
1	BP207P.1	Understand various systems using specimen, models, etc.,
2	BP207P.2	Demonstrate the neurological examination, function of olfactory nerve, visual acuity, reflex activity and positive and negative feedback mechanism
3	BP207P.3	Record the body temperature and and basal mass index
4	BP207P.4	Determine different types of taste as well as tidal volume and vital capacity
5	BP207P.5	Study the family planning devices and pregnancy diagnosis test
6	BP207P.6	Study of different systems present in our body.
7	BP207P.7	Practice and understand the procedure for calculating Platelet count and differential leukocyte count.
8	BP207P.8	Study of some changes in our metabolism and reflex activity.

Desired Attainment Details

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BP207P.1	1			2		2			2		
BP207P.2	2								2		
BP207P.3	1					2			2		
BP207P.4	2					2			3		
BP207P.5	3					3			3		
BP207P.6	3										
BP207P.7	2										
BP207P.8	1										
Average	1.88			2.00		2.25			2.40		

Desired Attainment Average : 2.13





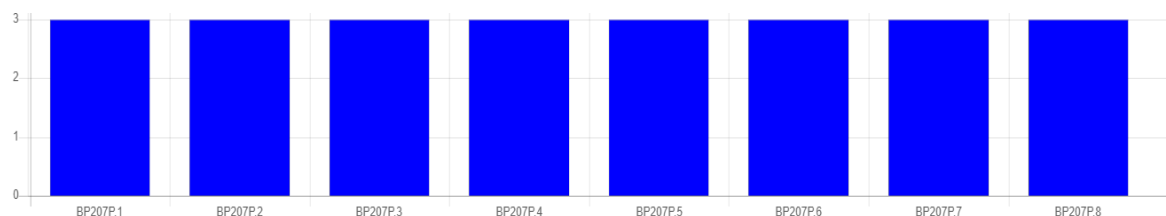


Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

Human Anatomy and Physiology II (BP201T) - Theory (2022-23) [Dhanshri kachare]

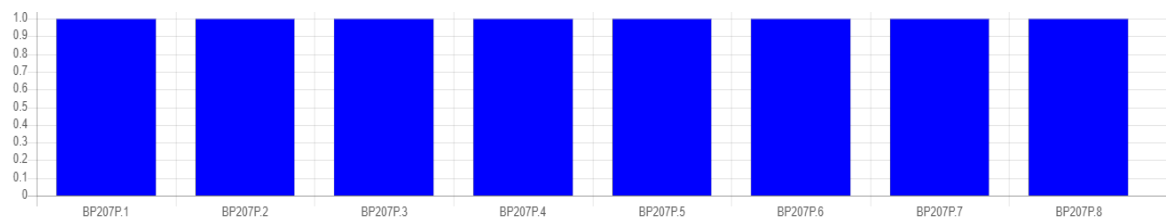
Internal Assessment

Title	Type	% Weightage	BP207P.1	BP207P.2	BP207P.3	BP207P.4	BP207P.5	BP207P.6	BP207P.7	BP207P.8
Internal Marks	Internal	25	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
Percent course outcome weightage			25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00
Attainment as per percent weightage			0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
Final attainment			3	3	3	3	3	3	3	3



External Assessment

Title	Type	% Weightage	BP207P.1	BP207P.2	BP207P.3	BP207P.4	BP207P.5	BP207P.6	BP207P.7	BP207P.8
External Marks	External	75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
Percent course outcome weightage			75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00
Attainment as per percent weightage			0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
Final attainment			1	1	1	1	1	1	1	1

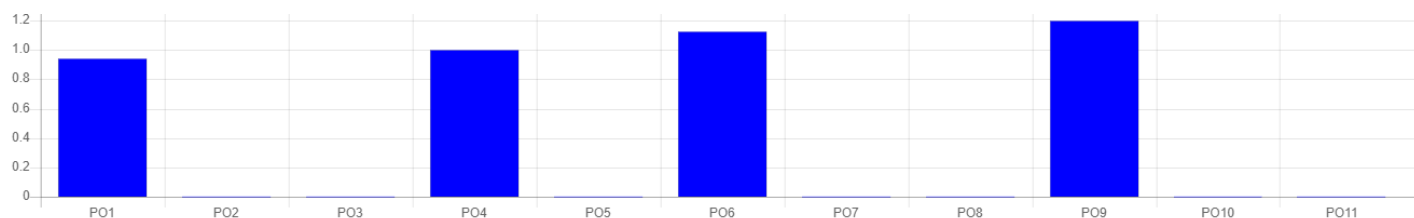


Direct Total Attainment

Course Outcome	Internal	External
BP207P.1	3.00	1.00
BP207P.2	3.00	1.00
BP207P.3	3.00	1.00
BP207P.4	3.00	1.00
BP207P.5	3.00	1.00
BP207P.6	3.00	1.00
BP207P.7	3.00	1.00
BP207P.8	3.00	1.00
Average	3.00	1.00
Weightage	25	75
Direct Total Attainment	0.75	0.75
Final Direct Course Attainment	1.50	

Final Attainment

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
Final Attainment	0.94			1.00		1.13			1.20		
Percentage	31.33			33.33		37.67			40.00		





**Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy,
Dudulgaon, Pune**

B. Pharmacy [2022-23]

Course Outcome

Year : First Year - Sem 2

Subject : Pharmaceutical Organic Chemistry I (BP202T)(Theory | Regular)

Course Code : BP202T

Sr. No.	CO Id	Course Outcome	PO/PSO	Cognitive Levels	Knowledge Categories
1	BP202T.1	Study the basic principles of organic chemistry like hybridization, bond fission, intermolecular forces, structural effects, concept of isomerism and tautomerism etc.	PO1, PO2, PO9, PO11	Remember, Understand, Apply	Factual, Conceptual
2	BP202T.2	Describe the classification of organic compounds and Practice the IUPAC nomenclature system.	PO1	Remember, Understand, Apply	Factual, Conceptual, Practical Constraints
3	BP202T.3	Understand stabilities of alkenes, conjugated dienes, mechanism, orientation of elimination, Electrophilic, free radical and Nucleophilic addition reaction and mechanism, kinetics, stereochemistry and factors affecting SN1 & SN2 reaction.	PO1, PO2, PO9, PO11	Remember, Understand, Apply	Factual, Conceptual, Procedural, Practical Constraints
4	BP202T.4	Discuss the acidity of carboxylic acids and basicity of amines and Know different qualitative test for the different functional group.	PO1	Remember, Understand, Apply	Factual, Conceptual, Practical Constraints
5	BP202T.5	Discuss the mechanism of some named reaction.	PO1, PO2	Remember, Understand, Apply, Analyse	Factual, Conceptual, Procedural, Practical Constraints
6	BP202T.6	Study structures, qualitative tests and uses of different functional groups and related organic compounds	PO1, PO2	Remember, Understand, Apply	Factual, Conceptual, Practical Constraints

Hedpawar

PH





Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

B. Pharmacy [2022-23]

CO PO Desired Mapping Report

Year : First Year - Sem 2

Subject : Pharmaceutical Organic Chemistry I (BP202T) - Theory

Faculty : Saroja Adepawar

Course Code : BP202T

Course Outcome Details

#	Course Outcome	Description
1	BP202T.1	Study the basic principles of organic chemistry like hybridization, bond fission, intermolecular forces, structural effects, concept of isomerism and tautomerism etc.
2	BP202T.2	Describe the classification of organic compounds and Practice the IUPAC nomenclature system.
3	BP202T.3	Understand stabilities of alkenes, conjugated dienes, mechanism, orientation of elimination, Electrophilic, free radical and Nucleophilic addition reaction and mechanism, kinetics, stereochemistry and factors affecting SN1 & SN2 reaction.
4	BP202T.4	Discuss the acidity of carboxylic acids and basicity of amines and Know different qualitative test for the different functional group.
5	BP202T.5	Discuss the mechanism of some named reaction.
6	BP202T.6	Study structures, qualitative tests and uses of different functional groups and related organic compounds

Desired Attainment Details

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BP202T.1	3	2							1		1
BP202T.2	2										
BP202T.3	3	2							1		1
BP202T.4	2										
BP202T.5	3	2									
BP202T.6	3	2									
Average	2.67	2.00							1.00		1.00

Desired Attainment Average : 1.67



Saroja Adepawar

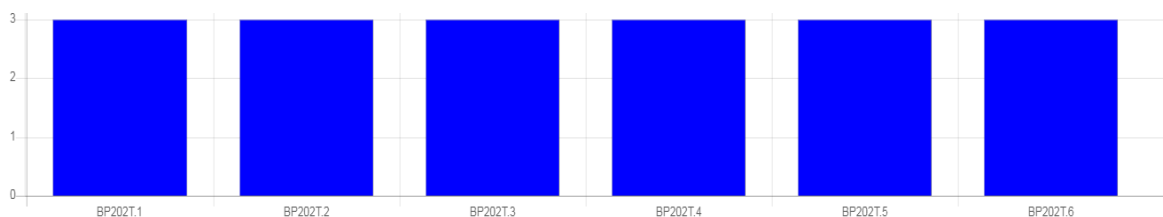


Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

Pharmaceutical Organic Chemistry I (BP202T) - Theory (2022-23) [Saroja Adeparwar]

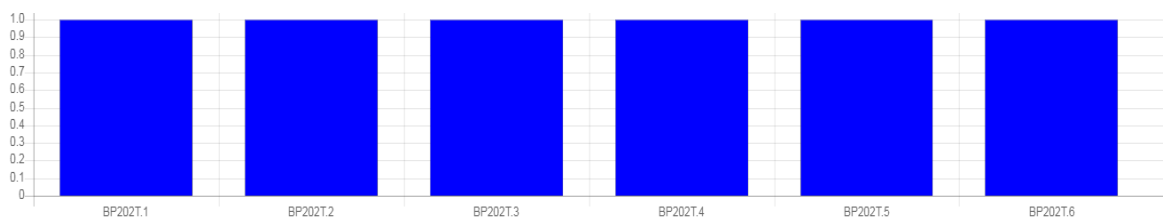
Internal Assessment

Title	Type	% Weightage	BP202T.1	BP202T.2	BP202T.3	BP202T.4	BP202T.5	BP202T.6
Internal Marks	Internal	25	0.75	0.75	0.75	0.75	0.75	0.75
Percent course outcome weightage			25.00	25.00	25.00	25.00	25.00	25.00
Attainment as per percent weightage			0.75	0.75	0.75	0.75	0.75	0.75
Final attainment			3	3	3	3	3	3



External Assessment

Title	Type	% Weightage	BP202T.1	BP202T.2	BP202T.3	BP202T.4	BP202T.5	BP202T.6
External Marks	External	75	0.75	0.75	0.75	0.75	0.75	0.75
Percent course outcome weightage			75.00	75.00	75.00	75.00	75.00	75.00
Attainment as per percent weightage			0.75	0.75	0.75	0.75	0.75	0.75
Final attainment			1	1	1	1	1	1

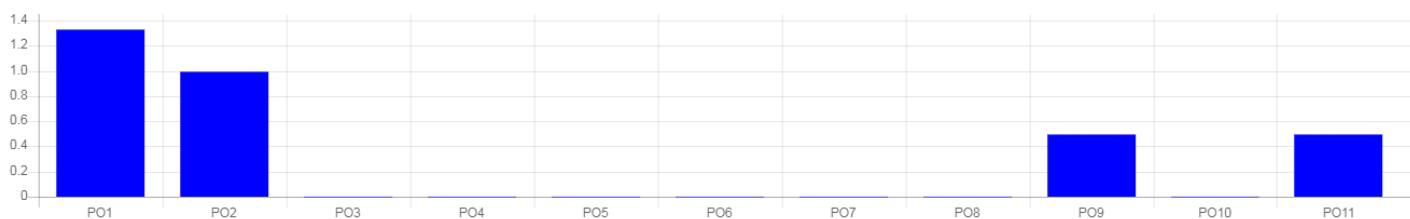


Direct Total Attainment

Course Outcome	Internal	External
BP202T.1	3.00	1.00
BP202T.2	3.00	1.00
BP202T.3	3.00	1.00
BP202T.4	3.00	1.00
BP202T.5	3.00	1.00
BP202T.6	3.00	1.00
Average	3.00	1.00
Weightage	25	75
Direct Total Attainment	0.75	0.75
Final Direct Course Attainment	1.50	

Final Attainment

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
Final Attainment	1.33	1.00							0.50		0.50
Percentage	44.33	33.33							16.67		16.67



Saroja Adeparwar



Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

B. Pharmacy [2022-23]

Course Outcome

Year : First Year - Sem 2

Subject : Biochemistry (BP203T)(Theory | Regular)

Course Code : BP203T

Sr. No.	CO Id	Course Outcome	PO/PSO	Cognitive Levels	Knowledge Categories
1	BP203T.1	Understand the catalytic role of enzymes and importance of enzyme in biochemical process.	PO1, PO6, PO10, PO11	Remember, Understand	Conceptual
2	BP203T.2	Understand the metabolism of nutrient molecules in physiological and pathological conditions.	PO1, PO6, PO10, PO11	Remember, Understand	Conceptual
3	BP203T.3	Understand the genetic organization of mammalian genome and functions of DNA in the synthesis of RNAs and proteins.	PO1, PO6, PO10, PO11	Remember, Understand	Conceptual
4	BP203T.4	Describe the chemistry, biological importance and metabolism pattern of Biomolecules.	PO1, PO6, PO10, PO11	Remember, Understand	Factual, Conceptual
5	BP203T.5	Summarizes the concept of biological oxidation emphasizing on ETC and oxidative phosphorylation and identifying related inhibitors.	PO1, PO6, PO10, PO11	Remember, Understand	Factual, Conceptual
6	BP203T.6	Explain catalytic role of enzymes, importance of enzyme inhibitors in design of new drugs, therapeutic and diagnostic applications of enzyme	PO1, PO6, PO10, PO11	Remember, Understand	Factual, Conceptual





Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

B. Pharmacy [2022-23]

CO PO Desired Mapping Report

Year : First Year - Sem 2

Subject : Biochemistry (BP203T) - Theory

Faculty : Shruti Hagawane

Course Code : BP203T

Course Outcome Details

#	Course Outcome	Description
1	BP203T.1	Understand the catalytic role of enzymes and importance of enzyme in biochemical process.
2	BP203T.2	Understand the metabolism of nutrient molecules in physiological and pathological conditions.
3	BP203T.3	Understand the genetic organization of mammalian genome and functions of DNA in the synthesis of RNAs and proteins.
4	BP203T.4	Describe the chemistry, biological importance and metabolism pattern of Biomolecules.
5	BP203T.5	Summaries the concept of biological oxidation emphasizing on ETC and oxidative phosphorylation and identifying related inhibitors.
6	BP203T.6	Explain catalytic role of enzymes, importance of enzyme inhibitors in design of new drugs, therapeutic and diagnostic applications of enzyme

Desired Attainment Details

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BP203T.1	3					3				3	3
BP203T.2	3					3				3	3
BP203T.3	3					3				3	3
BP203T.4	3					2				2	3
BP203T.5	3					2				2	3
BP203T.6	3					2				2	3
Average	3.00					2.50				2.50	3.00

Desired Attainment Average : 2.75





Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

Biochemistry (BP203T) - Theory (2022-23) [Shruti Hagawane]

Internal Assessment

Title	Type	% Weightage	BP203T.1	BP203T.2	BP203T.3	BP203T.4	BP203T.5	BP203T.6
Internal marks	Internal	25	0.50	0.50	0.50	0.50	0.50	0.50
Percent course outcome weightage			25.00	25.00	25.00	25.00	25.00	25.00
Attainment as per percent weightage			0.50	0.50	0.50	0.50	0.50	0.50
Final attainment			2	2	2	2	2	2



External Assessment

Title	Type	% Weightage	BP203T.1	BP203T.2	BP203T.3	BP203T.4	BP203T.5	BP203T.6
External marks	External	75	1.50	1.50	1.50	1.50	1.50	1.50
Percent course outcome weightage			75.00	75.00	75.00	75.00	75.00	75.00
Attainment as per percent weightage			1.5	1.5	1.5	1.5	1.5	1.5
Final attainment			2	2	2	2	2	2

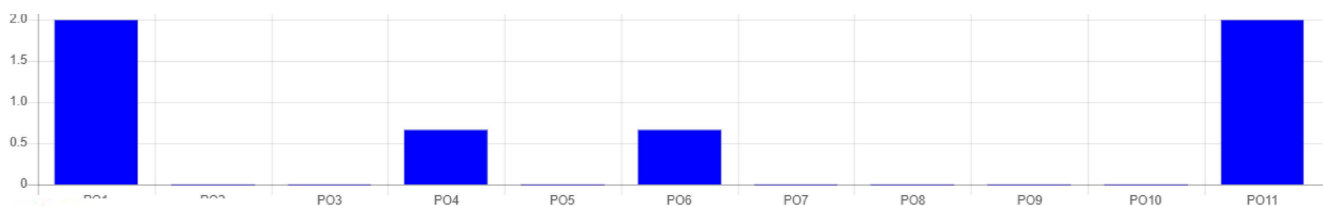


Direct Total Attainment

Course Outcome	Internal	External
BP203T.1	2.00	2.00
BP203T.2	2.00	2.00
BP203T.3	2.00	2.00
BP203T.4	2.00	2.00
BP203T.5	2.00	2.00
BP203T.6	2.00	2.00
Average	2.00	2.00
Weightage	25	75
Direct Total Attainment	0.50	1.50
Final Direct Course Attainment	2.00	

Final Attainment

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
Final Attainment	2.00			0.67		0.67					2.00
Percentage	66.67			22.33		22.33					66.67



Shruti Hagawane



Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

B. Pharmacy [2022-23]

Course Outcome

Year : First Year - Sem 2

Subject : Pathophysiology (BP204T)(Theory | Regular)

Course Code : BP204T

Sr. No.	CO Id	Course Outcome	PO/PSO	Cognitive Levels	Knowledge Categories
1	BP204T.1	Learn the basic principles of cell injury and cellular adaptation	PO1, PO3, PO11	Remember, Understand, Analyse	Factual, Conceptual
2	BP204T.2	Study the basic mechanism involved in the process of inflammation and repair	PO1, PO3, PO11	Remember, Understand, Analyse	Factual, Conceptual
3	BP204T.3	Describe the etiology of the selected disease states	PO1, PO11	Remember, Understand, Analyse, Evaluate	Factual, Conceptual, Criteria & Specifications
4	BP204T.4	Explain the pathogenesis of the selected disease states	PO1, PO11	Remember, Understand, Analyse, Evaluate	Factual, Conceptual
5	BP204T.5	Name the signs and symptoms of the selected disease states	PO1, PO11	Remember, Understand, Analyse, Evaluate	Factual, Conceptual
6	BP204T.6	Know the clinical features and diagnostic tests for detection of the selected disease states	PO1, PO11	Remember, Understand, Apply, Analyse, Evaluate	Factual, Conceptual

Shakila

S.M.D





Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

B. Pharmacy [2022-23]

CO PO Desired Mapping Report

Year : First Year - Sem 2

Subject : Pathophysiology (BP204T) - Theory

Faculty : Sadhana Deokar

Course Code : BP204T

Course Outcome Details

#	Course Outcome	Description
1	BP204T.1	Learn the basic principles of cell injury and cellular adaptation
2	BP204T.2	Study the basic mechanism involved in the process of inflammation and repair
3	BP204T.3	Describe the etiology of the selected disease states
4	BP204T.4	Explain the pathogenesis of the selected disease states
5	BP204T.5	Name the signs and symptoms of the selected disease states
6	BP204T.6	Know the clinical features and diagnostic tests for detection of the selected disease states

Desired Attainment Details

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BP204T.1	3		3								3
BP204T.2	3		3								3
BP204T.3	3										3
BP204T.4	3										3
BP204T.5	3										3
BP204T.6	3										3
Average	3.00		3.00								3.00

Desired Attainment Average : 3.00



Shakila

S.M.D



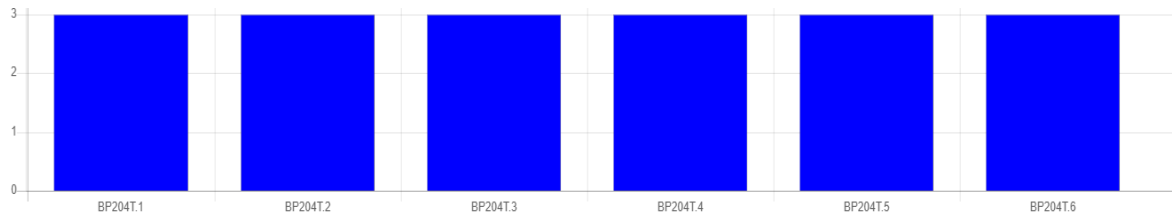


Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

Pathophysiology (BP204T) - Theory (2022-23) [Sadhana Deokar]

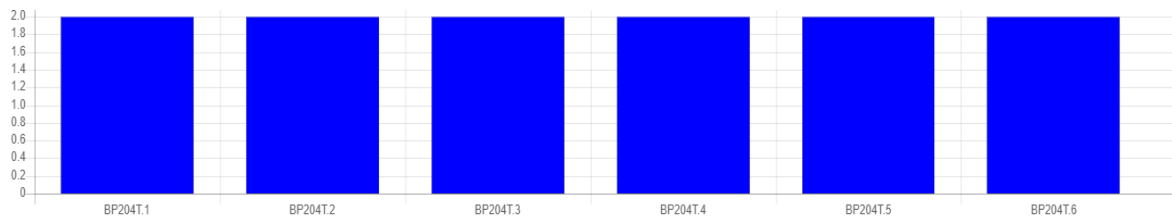
Internal Assessment

Title	Type	% Weightage	BP204T.1	BP204T.2	BP204T.3	BP204T.4	BP204T.5	BP204T.6
Internal Marks	Internal	25	0.75	0.75	0.75	0.75	0.75	0.75
Percent course outcome weightage			25.00	25.00	25.00	25.00	25.00	25.00
Attainment as per percent weightage			0.75	0.75	0.75	0.75	0.75	0.75
Final attainment			3	3	3	3	3	3



External Assessment

Title	Type	% Weightage	BP204T.1	BP204T.2	BP204T.3	BP204T.4	BP204T.5	BP204T.6
External Marks	External	75	1.50	1.50	1.50	1.50	1.50	1.50
Percent course outcome weightage			75.00	75.00	75.00	75.00	75.00	75.00
Attainment as per percent weightage			1.5	1.5	1.5	1.5	1.5	1.5
Final attainment			2	2	2	2	2	2

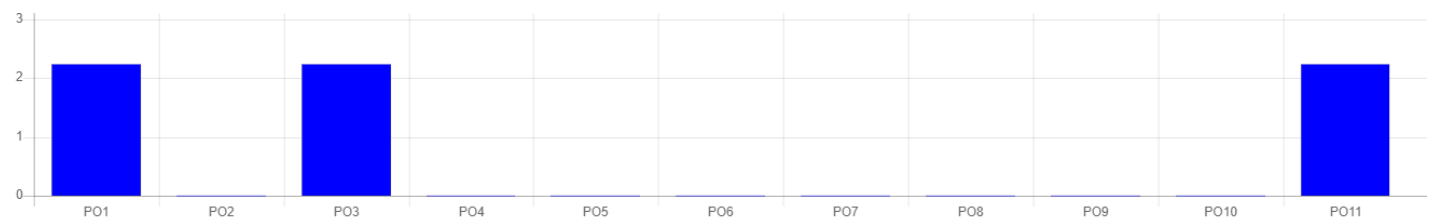


Direct Total Attainment

Course Outcome	Internal	External
BP204T.1	3.00	2.00
BP204T.2	3.00	2.00
BP204T.3	3.00	2.00
BP204T.4	3.00	2.00
BP204T.5	3.00	2.00
BP204T.6	3.00	2.00
Average	3.00	2.00
Weightage	25	75
Direct Total Attainment	0.75	1.50
Final Direct Course Attainment	2.25	

Final Attainment

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
Final Attainment	2.25		2.25								2.25
Percentage	75.00		75.00								75.00



Shakila

S.M.D



Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

B. Pharmacy [2022-23]

Course Outcome

Year : Second Year - Sem 4

Subject : COMPUTER APPLICATION IN PHARMACY (BP205T)(Theory | Regular)

Course Code : BP205T

Sr. No.	CO Id	Course Outcome	PO/PSO	Cognitive Levels	Knowledge Categories
1	BP205T.1	Know various types of application of computers in pharmacy	PO4	Remember, Understand, Apply	Factual, Conceptual, Criteria & Specifications
2	BP205T.2	Know the various types of databases.	PO4	Remember, Understand, Analyse	Factual, Procedural, Practical Constraints
3	BP205T.3	.Know the various applications of databases in pharmacy.	PO4, PO11	Remember, Understand, Evaluate	Factual, Conceptual, Procedural
4	BP205T.4	Know the number system used in computer	PO3, PO11	Remember, Understand, Apply, Evaluate	Factual, Conceptual, Criteria & Specifications
5	BP205T.5	know the concepts of information system and software	PO2, PO4, PO11	Remember, Understand, Apply	Factual, Conceptual, Practical Constraints
6	BP205T.6	know the various bioinformatics and its impact on vaccines	PO1, PO3, PO11	Remember, Understand, Apply, Analyse, Evaluate	Factual, Conceptual

R. Gaikwad



S. S. S.



Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

B. Pharmacy [2022-23]

CO PO Desired Mapping Report

Year : Second Year - Sem 4

Subject : COMPUTER APPLICATION IN PHARMACY (BP205T) - Theory

Faculty : Rajnigandha Gaikwad

Course Code : BP205T

Course Outcome Details

#	Course Outcome	Description
1	BP205T.1	Know various types of application of computers in pharmacy
2	BP205T.2	Know the various types of databases.
3	BP205T.3	.Know the various applications of databases in pharmacy.
4	BP205T.4	Know the number system used in computer
5	BP205T.5	know the concepts of information system and software
6	BP205T.6	know the various bioinformatics and its impact on vaccines

Desired Attainment Details

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BP205T.1				3							
BP205T.2				3							
BP205T.3				3							3
BP205T.4			3								3
BP205T.5		3		2							2
BP205T.6	3		2								3
Average	3.00	3.00	2.50	2.75							2.75

Desired Attainment Average : 2.80



R. Gaikwad



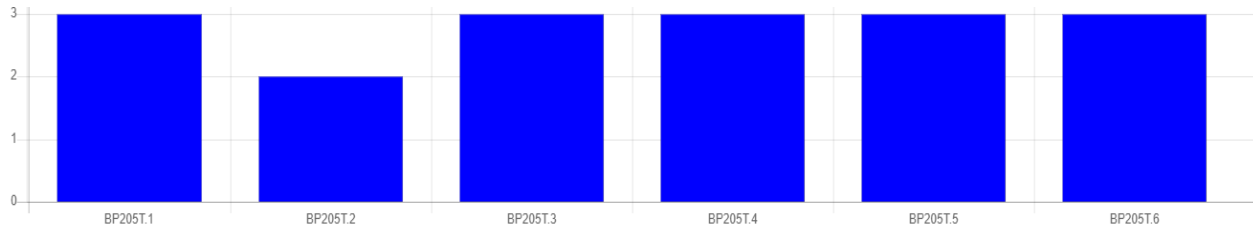


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COMPUTER APPLICATION IN PHARMACY (BP205T) - Theory (2022-23) [Rajnigandha Gaikwad]

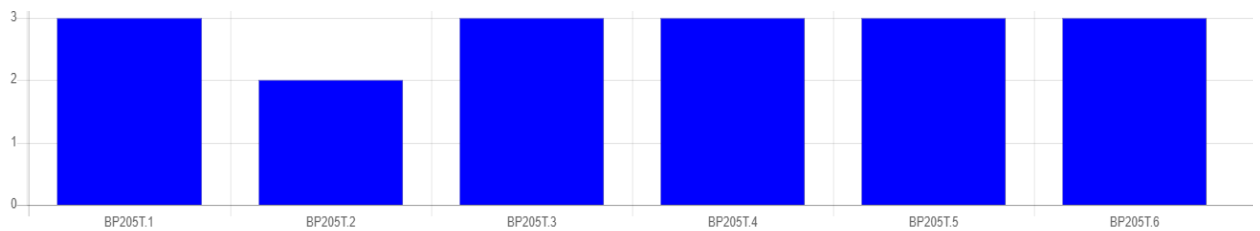
Internal Assessment

Title	Type	% Weightage	BP205T.1	BP205T.2	BP205T.3	BP205T.4	BP205T.5	BP205T.6
Internal Marks	Internal	30	0.90	0.60	0.90	0.90	0.90	0.90
Percent course outcome weightage			30.00	30.00	30.00	30.00	30.00	30.00
Attainment as per percent weightage			0.90	0.60	0.90	0.90	0.90	0.90
Final attainment			3	2	3	3	3	3



External Assessment

Title	Type	% Weightage	BP205T.1	BP205T.2	BP205T.3	BP205T.4	BP205T.5	BP205T.6
External Marks	External	70	2.10	1.40	2.10	2.10	2.10	2.10
Percent course outcome weightage			70.00	70.00	70.00	70.00	70.00	70.00
Attainment as per percent weightage			2.1	1.4	2.1	2.1	2.1	2.1
Final attainment			3	2	3	3	3	3



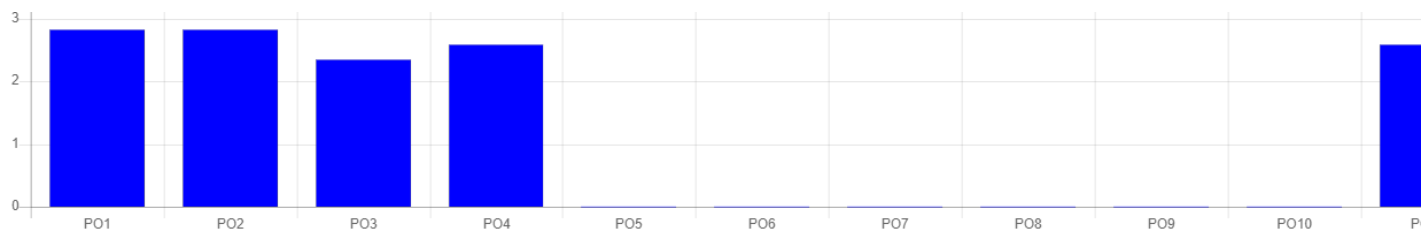
Direct Total Attainment

Course Outcome	Internal	External
BP205T.1	3.00	3.00
BP205T.2	2.00	2.00
BP205T.3	3.00	3.00
BP205T.4	3.00	3.00
BP205T.5	3.00	3.00
BP205T.6	3.00	3.00
Average	2.83	2.83
Weightage	25	75
Direct Total Attainment	0.71	2.12
Final Direct Course Attainment	2.83	

Final Attainment

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
Final Attainment	2.83	2.83	2.36	2.59							2.59
Percentage	94.33	94.33	78.67	86.33							86.33

R. Gaikwad



R. Gaikwad





Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

B. Pharmacy [2022-23]

Course Outcome

Year : First Year - Sem 2

Subject : Environmental sciences (BP206T)(Theory | Regular)

Course Code : BP206T

Sr. No.	CO Id	Course Outcome	PO/PSO	Cognitive Levels	Knowledge Categories
1	BP206T.1	Create the awareness about environmental problems among learners.	PO9, PO10	Create	Conceptual
2	BP206T.2	Impart basic knowledge about the environment and its allied problems.	PO10	Create	Conceptual
3	BP206T.3	Develop an attitude of concern for the environment.	PO10	Remember, Create	Conceptual
4	BP206T.4	Motivate learner to participate in environment protection and environment improvement.	PO10	Create	Conceptual
5	BP206T.5	Acquire skills to help the concerned individuals in identifying and solving environmental problems.	PO10	Create	Conceptual
6	BP206T.6	Strive to attain harmony with Nature.	PO10	Create	Conceptual

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Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

B. Pharmacy [2022-23]

CO PO Desired Mapping Report

Year : First Year - Sem 2

Subject : Environmental sciences (BP206T) - Theory

Faculty : Prof. Priyanka Suryakant Deorankar

Course Code : BP206T

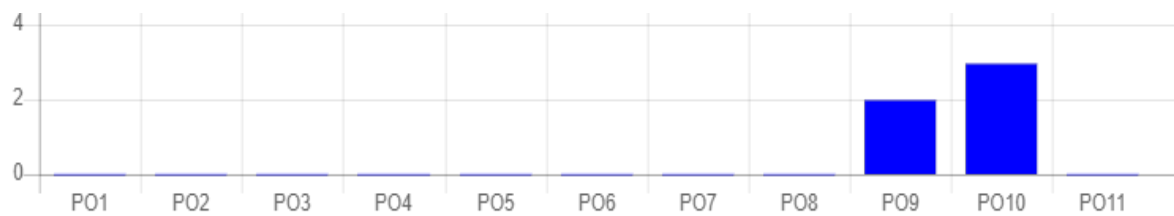
Course Outcome Details

#	Course Outcome	Description
1	BP206T.1	Create the awareness about environmental problems among learners.
2	BP206T.2	Impart basic knowledge about the environment and its allied problems.
3	BP206T.3	Develop an attitude of concern for the environment.
4	BP206T.4	Motivate learner to participate in environment protection and environment improvement.
5	BP206T.5	Acquire skills to help the concerned individuals in identifying and solving environmental problems.
6	BP206T.6	Strive to attain harmony with Nature.

Desired Attainment Details

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BP206T.1									2	3	
BP206T.2										3	
BP206T.3										3	
BP206T.4										3	
BP206T.5										3	
BP206T.6										3	
Average									2.00	3.00	

Desired Attainment Average : 2.50



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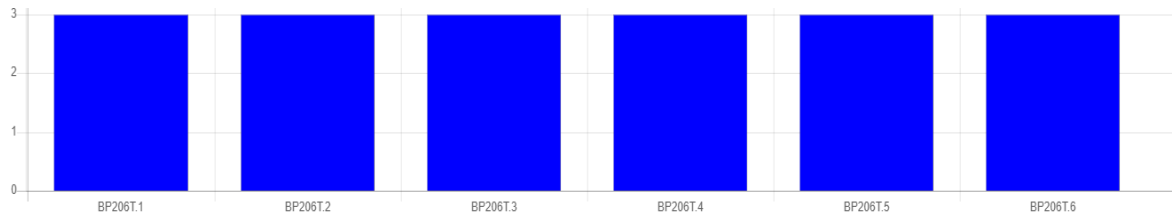


Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

Environmental sciences (BP206T) - Theory (2022-23) [Prof. Priyanka Suryakant Deorankar]

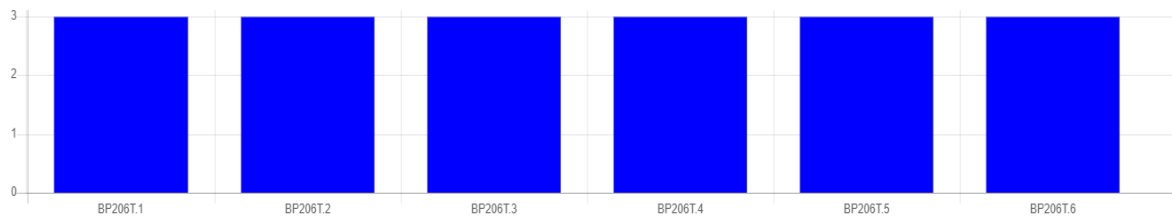
Internal Assessment

Title	Type	% Weightage	BP206T.1	BP206T.2	BP206T.3	BP206T.4	BP206T.5	BP206T.6
Internal Marks	Internal	50	1.50	1.50	1.50	1.50	1.50	1.50
Percent course outcome weightage			50.00	50.00	50.00	50.00	50.00	50.00
Attainment as per percent weightage			1.50	1.50	1.50	1.50	1.50	1.50
Final attainment			3	3	3	3	3	3



External Assessment

Title	Type	% Weightage	BP206T.1	BP206T.2	BP206T.3	BP206T.4	BP206T.5	BP206T.6
External Exam	External	50	1.50	1.50	1.50	1.50	1.50	1.50
Percent course outcome weightage			50.00	50.00	50.00	50.00	50.00	50.00
Attainment as per percent weightage			1.5	1.5	1.5	1.5	1.5	1.5
Final attainment			3	3	3	3	3	3

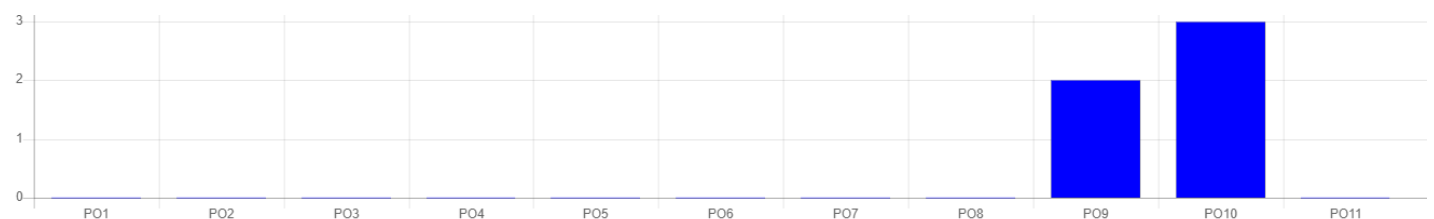


Direct Total Attainment

Course Outcome	Internal	External
BP206T.1	3.00	3.00
BP206T.2	3.00	3.00
BP206T.3	3.00	3.00
BP206T.4	3.00	3.00
BP206T.5	3.00	3.00
BP206T.6	3.00	3.00
Average	3.00	3.00
Weightage	25	75
Direct Total Attainment	0.75	2.25
Final Direct Course Attainment	3.00	

Final Attainment

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
Final Attainment									2.00	3.00	
Percentage									66.67	100.00	



Deorankar



Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

B. Pharmacy [2022-23]

Course Outcome

Year : First Year - Sem 2

Subject : Human Anatomy and Physiology II (BP207P)(Practical | Regular)

Course Code : BP 207 P

Sr. No.	CO Id	Course Outcome	PO/PSO	Cognitive Levels	Knowledge Categories
1	BP207P.1	Understand various systems using specimen, models, etc.,	PO1, PO4, PO6, PO9	Remember, Understand	Factual, Conceptual
2	BP207P.2	Demonstrate the neurological examination, function of olfactory nerve, visual acuity, reflex activity and positive and negative feedback mechanism	PO1, PO9	Remember, Understand, Apply	Factual, Conceptual, Meta-cognitive
3	BP207P.3	Record the body temperature and and basal mass index	PO1, PO6, PO9	Remember, Understand, Apply, Analyse	Factual, Conceptual, Procedural
4	BP207P.4	Determine different types of taste as well as tidal volume and vital capacity	PO1, PO6, PO9	Remember, Understand, Analyse	Factual, Conceptual, Procedural
5	BP207P.5	Study the family planning devices and pregnancy diagnosis test	PO1, PO6, PO9	Remember, Understand	Factual, Conceptual
6	BP207P.6	Study of different systems present in our body.	PO1	Remember, Understand	Conceptual
7	BP207P.7	Practice and understand the procedure for calculating Platelet count and differential leukocyte count.	PO1	Remember, Understand	Conceptual, Procedural
8	BP207P.8	Study of some changes in our metabolism and reflex activity.	PO1	Understand	Conceptual





Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

B. Pharmacy [2022-23]

CO PO Desired Mapping Report

Year : First Year - Sem 2

Subject : Human Anatomy and Physiology II (BP207P) - Practical

Faculty : Dhanshri Kachare, Sadhana Deokar

Course Code : BP 207 P

Course Outcome Details

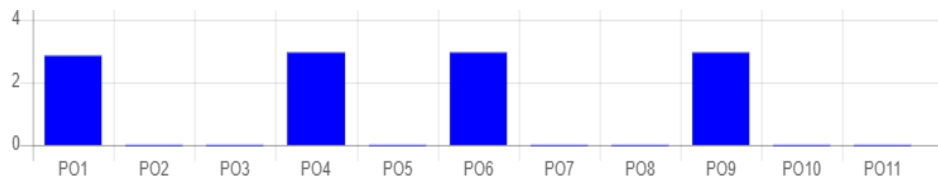
#	Course Outcome	Description
1	BP207P.1	Understand various systems using specimen, models, etc.,
2	BP207P.2	Demonstrate the neurological examination, function of olfactory nerve, visual acuity, reflex activity and positive and negative feedback mechanism
3	BP207P.3	Record the body temperature and and basal mass index
4	BP207P.4	Determine different types of taste as well as tidal volume and vital capacity
5	BP207P.5	Study the family planning devices and pregnancy diagnosis test
6	BP207P.6	Study of different systems present in our body.
7	BP207P.7	Practice and understand the procedure for calculating Platelet count and differential leukocyte count.
8	BP207P.8	Study of some changes in our metabolism and reflex activity.

Desired Attainment Details

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BP207P.1	3			3		3			3		
BP207P.2	3								3		
BP207P.3	3					3			3		
BP207P.4	3					3			3		
BP207P.5	3					3			3		
BP207P.6	3										
BP207P.7	2										
BP207P.8	3										
Average	2.88			3.00		3.00			3.00		

Desired Attainment Average : 2.97







Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

Human Anatomy and Physiology II (BP207P) - Practical (2022-23) [Dhanshri Kachare] [Sadhana Deokar] [Dhanshri Kachare]

Internal Assessment

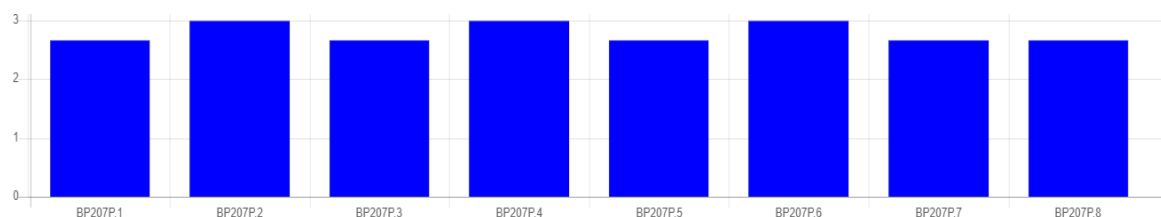
Batch [Batch A] Internal Assessment	Type	% Weightage	BP207P.1	BP207P.2	BP207P.3	BP207P.4	BP207P.5	BP207P.6	BP207P.7	BP207P.8
Internal Marks [Batch A]	Internal	30	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
Percent course outcome weightage			30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
Attainment as per percent weightage			0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
Final Attainment			3	3	3	3	3	3	3	3

Batch [Batch B] Internal Assessment	Type	% Weightage	BP207P.1	BP207P.2	BP207P.3	BP207P.4	BP207P.5	BP207P.6	BP207P.7	BP207P.8
Internal Marks [Batch B]	Internal	30	0.60	0.90	0.60	0.90	0.60	0.90	0.60	0.60
Percent course outcome weightage			30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
Attainment as per percent weightage			0.6	0.9	0.6	0.9	0.6	0.9	0.6	0.6
Final Attainment			2	3	2	3	2	3	2	2

Batch [Batch C] Internal Assessment	Type	% Weightage	BP207P.1	BP207P.2	BP207P.3	BP207P.4	BP207P.5	BP207P.6	BP207P.7	BP207P.8
Internal Marks [Batch C]	Internal	30	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
Percent course outcome weightage			30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
Attainment as per percent weightage			0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
Final Attainment			3	3	3	3	3	3	3	3

Internal Assessment Course Outcome Attainment Average

Course Outcome	BP207P.1	BP207P.2	BP207P.3	BP207P.4	BP207P.5	BP207P.6	BP207P.7	BP207P.8
Average	2.67	3.00	2.67	3.00	2.67	3.00	2.67	2.67



External Assessment

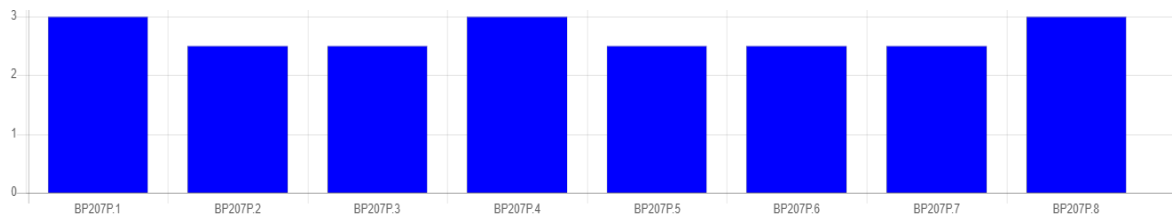
Batch [Batch A] External Assessment	Type	% Weightage	BP207P.1	BP207P.2	BP207P.3	BP207P.4	BP207P.5	BP207P.6	BP207P.7	BP207P.8
External Marks [Batch A]	External	70	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.10
Percent course outcome weightage			70.00	70.00	70.00	70.00	70.00	70.00	70.00	70.00
Attainment as per percent weightage			2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
Final Attainment			3	3	3	3	3	3	3	3

Batch [Batch B] External Assessment	Type	% Weightage	BP207P.1	BP207P.2	BP207P.3	BP207P.4	BP207P.5	BP207P.6	BP207P.7	BP207P.8
External Marks [Batch B]	External	70	2.10	1.40	1.40	2.10	1.40	1.40	1.40	2.10
Percent course outcome weightage			70.00	70.00	70.00	70.00	70.00	70.00	70.00	70.00
Attainment as per percent weightage			2.1	1.4	1.4	2.1	1.4	1.4	1.4	2.1
Final Attainment			3	2	2	3	2	2	2	3

Batch [Batch C] External Assessment	Type	% Weightage	BP207P.1	BP207P.2	BP207P.3	BP207P.4	BP207P.5	BP207P.6	BP207P.7	BP207P.8
Percent course outcome weightage										
Attainment as per percent weightage										
Final Attainment										

External Assessment Course Outcome Attainment Average

Course Outcome	BP207P.1	BP207P.2	BP207P.3	BP207P.4	BP207P.5	BP207P.6	BP207P.7	BP207P.8
Average	3.00	2.50	2.50	3.00	2.50	2.50	2.50	3.00

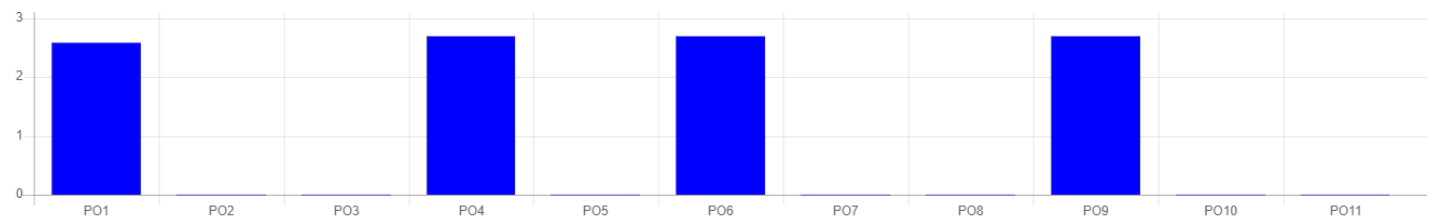


Direct Total Attainment

Course Outcome	Internal	External
BP207P.1	2.67	3.00
BP207P.2	3.00	2.50
BP207P.3	2.67	2.50
BP207P.4	3.00	3.00
BP207P.5	2.67	2.50
BP207P.6	3.00	2.50
BP207P.7	2.67	2.50
BP207P.8	2.67	3.00
Average	2.79	2.69
Weightage	25	75
Direct Total Attainment	0.70	2.02
Final Direct Course Attainment	2.71	

Final Attainment

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
Final Attainment	2.60			2.71		2.71			2.71		
Percentage	86.67			90.33		90.33			90.33		





Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

B. Pharmacy [2022-23]

Course Outcome

Year : First Year - Sem 2

Subject : Pharmaceutical Organic Chemistry I (BP208P)(Practical | Regular)

Course Code : BP208P

Sr. No.	CO Id	Course Outcome	PO/PSO	Cognitive Levels	Knowledge Categories
1	BP208P.1	Explain and understand the principle and application of each experiment performed in laboratory.	PO1, PO11	Remember, Understand, Apply, Create	Factual, Conceptual, Procedural, Practical Constraints
2	BP202P.2	Discuss principle behind various qualitative tests and analyse the given unknown organic compounds having different functional groups.	PO1, PO3, PO11	Remember, Understand, Apply	Factual, Conceptual, Procedural, Practical Constraints
3	BP202P.3	Understand the basic organic chemistry laboratory techniques, including calibration of thermometer, distillation, recrystallization, melting point and boiling determination.	PO1, PO11	Understand, Apply, Analyse	Factual, Conceptual, Procedural, Practical Constraints
4	BP202P.4	Understand and apply safe laboratory practices through the use of appropriate personal protective equipment and appropriate handling of all chemicals, including proper disposal of waste.	PO1, PO11	Remember, Understand, Apply, Evaluate, Create	Factual, Conceptual, Procedural, Practical Constraints
5	BP202P.5	Construct molecular models of compounds using atomic models sets.	PO1, PO4, PO11	Understand, Apply	Factual, Conceptual, Procedural, Practical Constraints
6	BP202P.6	Know the Preparation methods of suitable solid derivatives from organic compounds with their reaction mechanism.	PO1, PO3, PO11	Remember, Understand, Apply	Factual, Conceptual, Procedural, Practical Constraints





Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

B. Pharmacy [2022-23]

CO PO Desired Mapping Report

Year : First Year - Sem 2

Subject : Pharmaceutical Organic Chemistry I (BP208P) - Practical

Faculty : Saroja Adepawar, Shruti Hagawane

Course Code : BP208P

Course Outcome Details

#	Course Outcome	Description
1	BP208P.1	Explain and understand the principle and application of each experiment performed in laboratory.
2	BP202P.2	Discuss principle behind various qualitative tests and analyse the given unknown organic compounds having different functional groups.
3	BP202P.3	Understand the basic organic chemistry laboratory techniques, including calibration of thermometer, distillation, recrystallization, melting point and boiling determination.
4	BP202P.4	Understand and apply safe laboratory practices through the use of appropriate personal protective equipment and appropriate handling of all chemicals, including proper disposal of waste.
5	BP202P.5	Construct molecular models of compounds using atomic models sets.
6	BP202P.6	Know the Preparation methods of suitable solid derivatives from organic compounds with their reaction mechanism.

Desired Attainment Details

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BP208P.1	3										3
BP202P.2	3		1								3
BP202P.3	3										3
BP202P.4	3										3
BP202P.5	3			2							3
BP202P.6	3		2								3
Average	3.00		1.50	2.00							3.00

Desired Attainment Average : 2.38



Saroja Adepawar





Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

Pharmaceutical Organic Chemistry I (BP208P) - Practical (2022-23) [Saroja Adepawar] [Shruti Hagawane] [Shruti Hagawane]

Internal Assessment

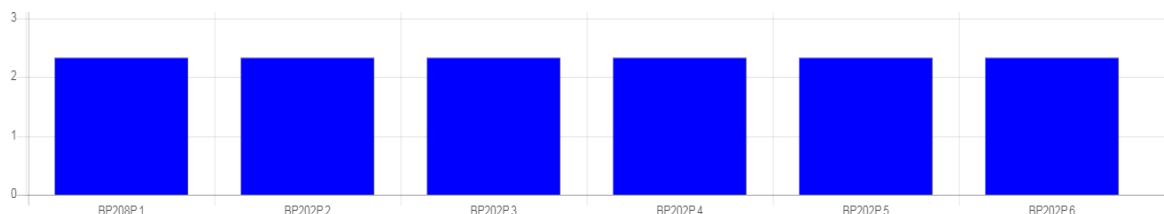
Batch [Batch A] Internal Assessment	Type	% Weightage	BP208P.1	BP202P.2	BP202P.3	BP202P.4	BP202P.5	BP202P.6
Internal Exam [Batch A]	Internal	30	0.90	0.90	0.90	0.90	0.90	0.90
Percent course outcome weightage			30.00	30.00	30.00	30.00	30.00	30.00
Attainment as per percent weightage			0.9	0.9	0.9	0.9	0.9	0.9
Final Attainment			3	3	3	3	3	3

Batch [Batch B] Internal Assessment	Type	% Weightage	BP208P.1	BP202P.2	BP202P.3	BP202P.4	BP202P.5	BP202P.6
Internal marks [Batch B]	Internal	30	0.60	0.60	0.60	0.60	0.60	0.60
Percent course outcome weightage			30.00	30.00	30.00	30.00	30.00	30.00
Attainment as per percent weightage			0.6	0.6	0.6	0.6	0.6	0.6
Final Attainment			2	2	2	2	2	2

Batch [Batch C] Internal Assessment	Type	% Weightage	BP208P.1	BP202P.2	BP202P.3	BP202P.4	BP202P.5	BP202P.6
Internal marks [Batch C]	Internal	30	0.60	0.60	0.60	0.60	0.60	0.60
Percent course outcome weightage			30.00	30.00	30.00	30.00	30.00	30.00
Attainment as per percent weightage			0.6	0.6	0.6	0.6	0.6	0.6
Final Attainment			2	2	2	2	2	2

Internal Assessment Course Outcome Attainment Average

Course Outcome	BP208P.1	BP202P.2	BP202P.3	BP202P.4	BP202P.5	BP202P.6
Average	2.33	2.33	2.33	2.33	2.33	2.33



External Assessment

Batch [Batch A] External Assessment	Type	% Weightage	BP208P.1	BP202P.2	BP202P.3	BP202P.4	BP202P.5	BP202P.6
External Exam [Batch A]	External	70	2.10	2.10	2.10	2.10	2.10	2.10
Percent course outcome weightage			70.00	70.00	70.00	70.00	70.00	70.00
Attainment as per percent weightage			2.1	2.1	2.1	2.1	2.1	2.1
Final Attainment			3	3	3	3	3	3

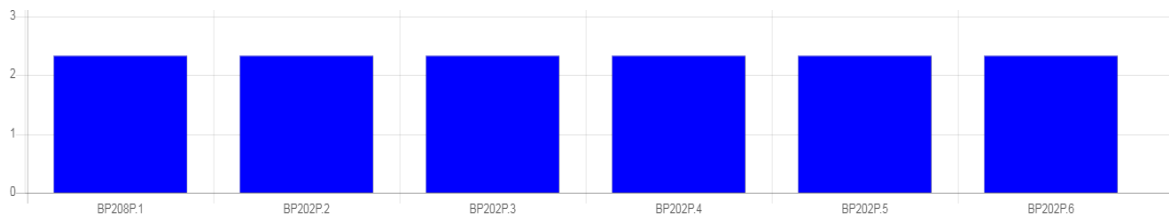
Batch [Batch B] External Assessment	Type	% Weightage	BP208P.1	BP202P.2	BP202P.3	BP202P.4	BP202P.5	BP202P.6
External marks [Batch B]	External	70	1.40	1.40	1.40	1.40	1.40	1.40
Percent course outcome weightage			70.00	70.00	70.00	70.00	70.00	70.00
Attainment as per percent weightage			1.4	1.4	1.4	1.4	1.4	1.4
Final Attainment			2	2	2	2	2	2

Batch [Batch C] External Assessment	Type	% Weightage	BP208P.1	BP202P.2	BP202P.3	BP202P.4	BP202P.5	BP202P.6
External marks [Batch C]	External	70	1.40	1.40	1.40	1.40	1.40	1.40
Percent course outcome weightage			70.00	70.00	70.00	70.00	70.00	70.00
Attainment as per percent weightage			1.4	1.4	1.4	1.4	1.4	1.4
Final Attainment			2	2	2	2	2	2

External Assessment Course Outcome Attainment Average

Course Outcome	BP208P.1	BP202P.2	BP202P.3	BP202P.4	BP202P.5	BP202P.6
Average	2.33	2.33	2.33	2.33	2.33	2.33

Saroja Adepawar

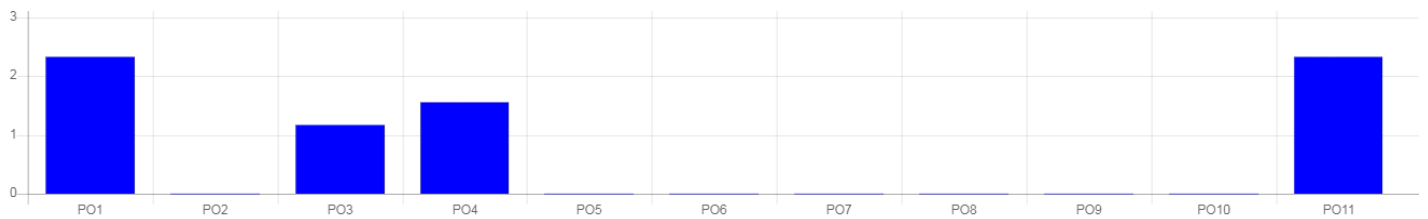


Direct Total Attainment

Course Outcome	Internal	External
BP208P.1	2.33	2.33
BP202P.2	2.33	2.33
BP202P.3	2.33	2.33
BP202P.4	2.33	2.33
BP202P.5	2.33	2.33
BP202P.6	2.33	2.33
Average	2.33	2.33
Weightage	25	75
Direct Total Attainment	0.58	1.75
Final Direct Course Attainment	2.33	

Final Attainment

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
Final Attainment	2.33		1.17	1.56							2.33
Percentage	77.67		39.00	52.00							77.67



H. Jayawar





Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

B. Pharmacy [2022-23]

Course Outcome

Year : First Year - Sem 2

Subject : Biochemistry (BP209P)(Practical | Regular)

Course Code : BP 209P

Sr. No.	CO Id	Course Outcome	PO/PSO	Cognitive Levels	Knowledge Categories
1	BP209P.1	Know about the qualitative analysis of carbohydrates (glucose,fructose,lactose,maltose,sucrose,and starch)	PO1, PO9, PO11	Remember, Understand, Analyse	Conceptual, Procedural, Practical Constraints
2	BP209P.2	Know about the identification test for proteins	PO1, PO9, PO11	Remember, Understand, Evaluate	Conceptual, Procedural, Practical Constraints
3	BP209P.3	Know about the qualitative analysis of reducing sugars(DNSA method) and proteins (Biuret method)	PO1, PO9, PO11	Understand, Analyse	Conceptual, Procedural, Practical Constraints
4	BP209P.4	Understand the qualitative analysis of urine for abnormal constituents	PO1, PO9, PO11	Remember, Evaluate	Conceptual, Procedural, Practical Constraints
5	BP209P.5	Study about the determination of blood creatinine, blood sugars	PO1,	Understand, Apply	Procedural, Practical Constraints
6	BP209P.6	Understand the determination of serum total cholesterol and preparation of buffer solution and measurement of PH	PO1,	Understand, Evaluate	Procedural, Practical Constraints
7	BP209P.7	Study of the enzymatic hydrolysis of starch.	PO1, PO9, PO11	Understand, Evaluate	Procedural, Practical Constraints
8	BP209P.8	Determination of salivary amylase activity.	PO1, PO11	Understand, Apply	Conceptual, Procedural, Practical Constraints

Signature

Signature





Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

B. Pharmacy [2022-23]

CO PO Desired Mapping Report

Year : First Year - Sem 2

Subject : Biochemistry (BP209P) - Practical

Faculty : Nilakshi Nerkar

Course Code : BP 209P

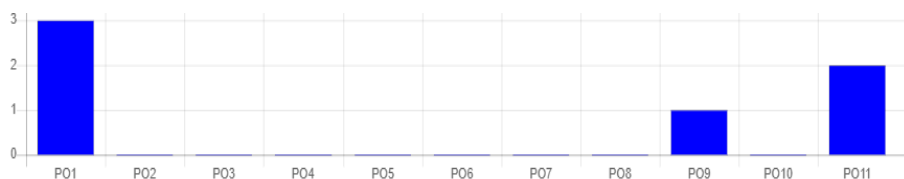
Course Outcome Details

#	Course Outcome	Description
1	BP209P.1	Know about the qualitative analysis of carbohydrates (glucose,fructose,lactose,maltose,sucrose,and starch)
2	BP209P.2	Know about the identification test for proteins
3	BP209P.3	Know about the qualitative analysis of reducing sugars(DNSA method) and proteins (Biuret method)
4	BP209P.4	Understand the qualitative analysis of urine for abnormal constituents
5	BP209P.5	Study about the determination of blood creatinine, blood sugars
6	BP209P.6	Understand the determination of serum total cholesterol and preparation of buffer solution and measurement of PH
7	BP209P.7	Study of the enzymatic hydrolysis of starch.
8	BP209P.8	Determination of salivary amylase activity.

Desired Attainment Details

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BP209P.1	3								1		2
BP209P.2	3								1		2
BP209P.3	3								1		2
BP209P.4	3								1		2
BP209P.5	3										
BP209P.6	3										
BP209P.7	3								1		2
BP209P.8	3										2
Average	3.00								1.00		2.00

Desired Attainment Average : 2.00



Signature





Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

Biochemistry (BP209P) - Practical (2022-23) [Nilakshi Nerkar] [Nilakshi Nerkar] [Nilakshi Nerkar]

Internal Assessment

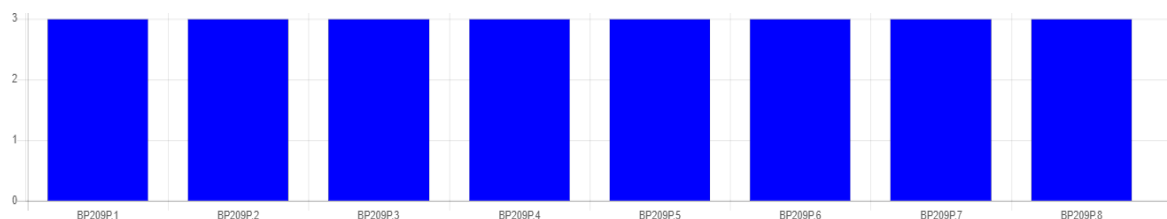
Batch [Batch A] Internal Assessment	Type	% Weightage	BP209P.1	BP209P.2	BP209P.3	BP209P.4	BP209P.5	BP209P.6	BP209P.7	BP209P.8
Internal Exam [Batch A]	Internal	30	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
Percent course outcome weightage			30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
Attainment as per percent weightage			0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
Final Attainment			3	3	3	3	3	3	3	3

Batch [Batch B] Internal Assessment	Type	% Weightage	BP209P.1	BP209P.2	BP209P.3	BP209P.4	BP209P.5	BP209P.6	BP209P.7	BP209P.8
Internal Marks [Batch B]	Internal	30	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
Percent course outcome weightage			30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
Attainment as per percent weightage			0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
Final Attainment			3	3	3	3	3	3	3	3

Batch [Batch C] Internal Assessment	Type	% Weightage	BP209P.1	BP209P.2	BP209P.3	BP209P.4	BP209P.5	BP209P.6	BP209P.7	BP209P.8
Internal Exam [Batch C]	Internal	30	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
Percent course outcome weightage			30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
Attainment as per percent weightage			0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
Final Attainment			3	3	3	3	3	3	3	3

Internal Assessment Course Outcome Attainment Average

Course Outcome	BP209P.1	BP209P.2	BP209P.3	BP209P.4	BP209P.5	BP209P.6	BP209P.7	BP209P.8
Average	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00



External Assessment

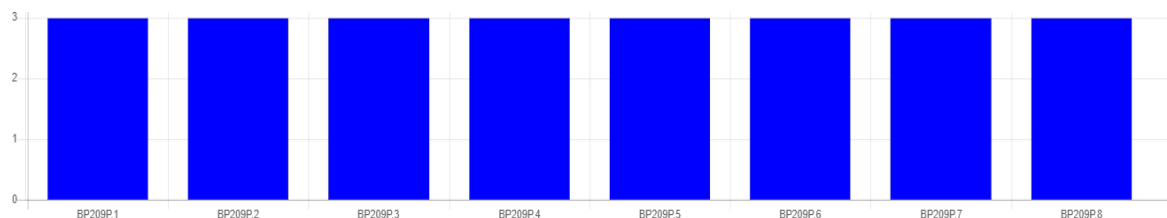
Batch [Batch A] External Assessment	Type	% Weightage	BP209P.1	BP209P.2	BP209P.3	BP209P.4	BP209P.5	BP209P.6	BP209P.7	BP209P.8
External Exam [Batch A]	External	69	2.07	2.07	2.07	2.07	2.07	2.07	2.07	2.07
Percent course outcome weightage			69.00	69.00	69.00	69.00	69.00	69.00	69.00	69.00
Attainment as per percent weightage			2.07	2.07	2.07	2.07	2.07	2.07	2.07	2.07
Final Attainment			3	3	3	3	3	3	3	3

Batch [Batch B] External Assessment	Type	% Weightage	BP209P.1	BP209P.2	BP209P.3	BP209P.4	BP209P.5	BP209P.6	BP209P.7	BP209P.8
External Marks [Batch B]	External	70	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.10
Percent course outcome weightage			70.00	70.00	70.00	70.00	70.00	70.00	70.00	70.00
Attainment as per percent weightage			2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
Final Attainment			3	3	3	3	3	3	3	3

Batch [Batch C] External Assessment	Type	% Weightage	BP209P.1	BP209P.2	BP209P.3	BP209P.4	BP209P.5	BP209P.6	BP209P.7	BP209P.8
External Exam [Batch C]	External	70	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.10
Percent course outcome weightage			70.00	70.00	70.00	70.00	70.00	70.00	70.00	70.00
Attainment as per percent weightage			2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
Final Attainment			3	3	3	3	3	3	3	3

External Assessment Course Outcome Attainment Average

Course Outcome	BP209P.1	BP209P.2	BP209P.3	BP209P.4	BP209P.5	BP209P.6	BP209P.7	BP209P.8
Average	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00

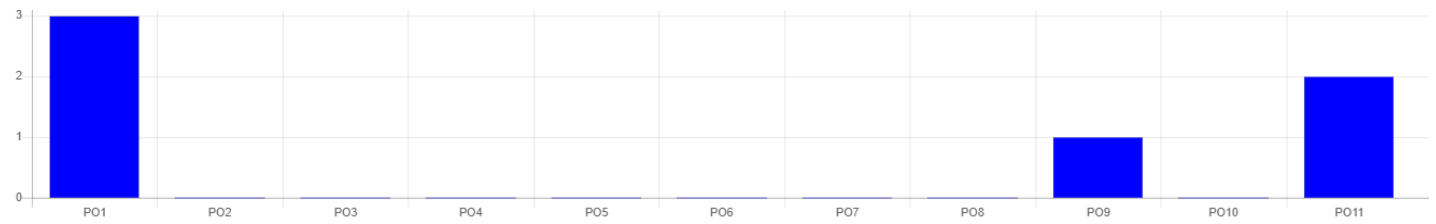


Direct Total Attainment

Course Outcome	Internal	External
BP209P.1	3.00	3.00
BP209P.2	3.00	3.00
BP209P.3	3.00	3.00
BP209P.4	3.00	3.00
BP209P.5	3.00	3.00
BP209P.6	3.00	3.00
BP209P.7	3.00	3.00
BP209P.8	3.00	3.00
Average	3.00	3.00
Weightage	25	75
Direct Total Attainment	0.75	2.25
Final Direct Course Attainment	3.00	

Final Attainment

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
Final Attainment	3.00								1.00		2.00
Percentage	100.00								33.33		66.67



Signature





Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

B. Pharmacy [2022-23]

Course Outcome

Year : First Year - Sem 2

Subject : COMPUTER APPLICATION IN PHARMACY (BP210P)(Practical | Regular)

Course Code : BP210P

Sr. No.	CO Id	Course Outcome	PO/PSO	Cognitive Levels	Knowledge Categories
1	BP210P.1	Create questionnaires, mailing labels and other documentation related to pharmacy by using MS WORD.	PO1, PO4, PO11	Understand, Apply, Create	Factual, Practical Constraints
2	BP210P.4	Create, View, Add, Delete and modify the data bases using MS Access.	PO1, PO4, PO11	Understand, Apply, Create	Conceptual, Procedural, Practical Constraints
3	BP210P.3	Create databases and webpages using HTML.	PO1, PO4, PO11	Understand, Apply, Create	Conceptual, Procedural, Practical Constraints
4	BP210P.5	Generate report; work with queries, invoice tables using MS Access.	PO1, PO4, PO11	Understand, Apply, Create	Conceptual, Procedural, Practical Constraints
5	BP210P.6	Export table, forms and queries using web and XML pages to	PO1, PO4, PO11	Understand, Apply, Create	Conceptual, Procedural, Practical Constraints
6	BP210P.2	Retrieve the information using online tools.	PO1, PO4, PO11	Understand, Apply, Create	Conceptual, Procedural, Practical Constraints

Waidya



अभिजात



Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune
B. Pharmacy [2022-23]

CO PO Desired Mapping Report

Year : First Year - Sem 2

Subject : COMPUTER APPLICATION IN PHARMACY (BP210P) - Practical

Faculty : Vipra Vaidya

Course Code : BP210P

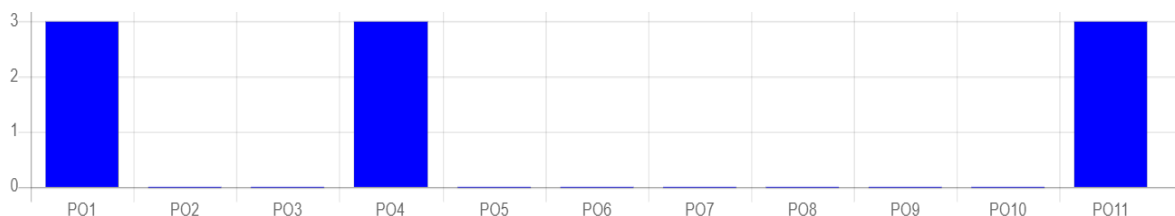
Course Outcome Details

#	Course Outcome	Description
1	BP210P.1	Create questionnaires, mailing labels and other documentation related to pharmacy by using MS WORD.
2	BP210P.4	Create, View, Add, Delete and modify the data bases using MS Access.
3	BP210P.3	Create databases and webpages using HTML.
4	BP210P.5	Generate report; work with queries, invoice tables using MS Access.
5	BP210P.6	Export table, forms and queries using web and XML pages to
6	BP210P.2	Retrieve the information using online tools.

Desired Attainment Details

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BP210P.1	3			3							3
BP210P.4	3			3							3
BP210P.3	3			3							3
BP210P.5	3			3							3
BP210P.6	3			3							3
BP210P.2	3			3							3
Average	3.00			3.00							3.00

Desired Attainment Average : 3.00



Vaidya





Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

COMPUTER APPLICATION IN PHARMACY (BP210P) - Practical (2022-23) [Vipra Vaidya] [Vipra Vaidya] [Vipra Vaidya]

Internal Assessment

Batch [Batch A] Internal Assessment	Type	% Weightage	BP210P.1	BP210P.4	BP210P.3	BP210P.5	BP210P.6	BP210P.2
Internal Marks [Batch A]	Internal	30	0.90	0.90	0.90	0.90	0.90	0.90
Percent course outcome weightage			30.00	30.00	30.00	30.00	30.00	30.00
Attainment as per percent weightage			0.9	0.9	0.9	0.9	0.9	0.9
Final Attainment			3	3	3	3	3	3

Batch [Batch B] Internal Assessment	Type	% Weightage	BP210P.1	BP210P.4	BP210P.3	BP210P.5	BP210P.6	BP210P.2
Internal marks [Batch B]	Internal	30	0.90	0.90	0.90	0.90	0.90	0.90
Percent course outcome weightage			30.00	30.00	30.00	30.00	30.00	30.00
Attainment as per percent weightage			0.9	0.9	0.9	0.9	0.9	0.9
Final Attainment			3	3	3	3	3	3

Batch [Batch C] Internal Assessment	Type	% Weightage	BP210P.1	BP210P.4	BP210P.3	BP210P.5	BP210P.6	BP210P.2
Internal Marks [Batch C]	Internal	30	0.90	0.90	0.90	0.90	0.90	0.90
Percent course outcome weightage			30.00	30.00	30.00	30.00	30.00	30.00
Attainment as per percent weightage			0.9	0.9	0.9	0.9	0.9	0.9
Final Attainment			3	3	3	3	3	3

Internal Assessment Course Outcome Attainment Average

Course Outcome	BP210P.1	BP210P.4	BP210P.3	BP210P.5	BP210P.6	BP210P.2
Average	3.00	3.00	3.00	3.00	3.00	3.00



External Assessment

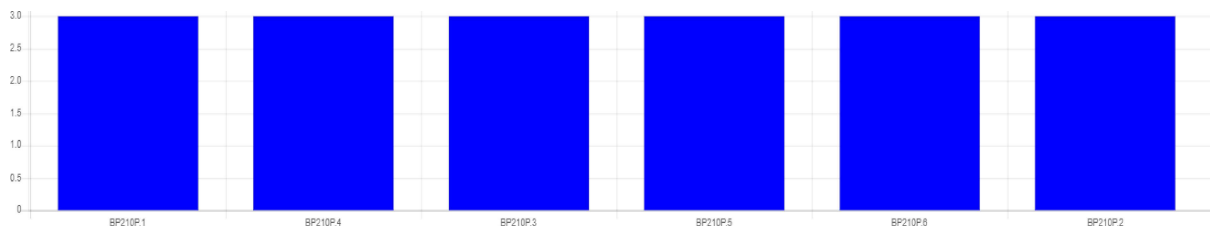
Batch [Batch A] External Assessment	Type	% Weightage	BP210P.1	BP210P.4	BP210P.3	BP210P.5	BP210P.6	BP210P.2
External Marks [Batch A]	External	70	2.10	2.10	2.10	2.10	2.10	2.10
Percent course outcome weightage			70.00	70.00	70.00	70.00	70.00	70.00
Attainment as per percent weightage			2.1	2.1	2.1	2.1	2.1	2.1
Final Attainment			3	3	3	3	3	3

Batch [Batch B] External Assessment	Type	% Weightage	BP210P.1	BP210P.4	BP210P.3	BP210P.5	BP210P.6	BP210P.2
External Exam [Batch B]	External	70	2.10	2.10	2.10	2.10	2.10	2.10
Percent course outcome weightage			70.00	70.00	70.00	70.00	70.00	70.00
Attainment as per percent weightage			2.1	2.1	2.1	2.1	2.1	2.1
Final Attainment			3	3	3	3	3	3

Batch [Batch C] External Assessment	Type	% Weightage	BP210P.1	BP210P.4	BP210P.3	BP210P.5	BP210P.6	BP210P.2
External Exam [Batch C]	External	70	2.10	2.10	2.10	2.10	2.10	2.10
Percent course outcome weightage			70.00	70.00	70.00	70.00	70.00	70.00
Attainment as per percent weightage			2.1	2.1	2.1	2.1	2.1	2.1
Final Attainment			3	3	3	3	3	3

External Assessment Course Outcome Attainment Average

Course Outcome	BP210P.1	BP210P.4	BP210P.3	BP210P.5	BP210P.6	BP210P.2
Average	3.00	3.00	3.00	3.00	3.00	3.00



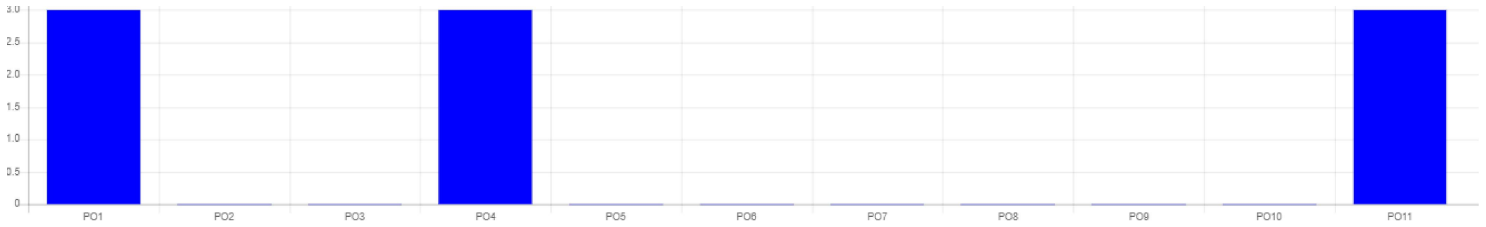
Direct Total Attainment

Course Outcome	Internal	External
BP210P.1	3.00	3.00

BP210P.4	3.00	3.00
BP210P.3	3.00	3.00
BP210P.5	3.00	3.00
BP210P.6	3.00	3.00
BP210P.2	3.00	3.00
Average	3.00	3.00
Weightage	30	70
Direct Total Attainment	0.90	2.10
Final Direct Course Attainment	3.00	

Final Attainment

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
Final Attainment	3.00			3.00							3.00
Percentage	100.00			100.00							100.00



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Waidya





RAJMATA JIJAU SHIKSHAN PRASARAK MANDAL'S
COLLEGE OF PHARMACY (B.Pharm.)

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CO-PO Attainment Report
(Sem - 3)
(A.Y. 2022-2023)



Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

B. Pharmacy [2022-23]

Course Outcome

Year : Second Year - SEM 3

Subject : Pharmaceutical Organic Chemistry II (BP301T)(Theory | Regular)

Course Code : BP301T

Sr. No.	CO Id	Course Outcome	PO/PSO	Cognitive Levels	Knowledge Categories
1	BP301T.1	Write the structure, name and the type of isomerism of the organic compound	PO1, PO4, PO7, PO11	Remember, Understand	Conceptual, Procedural
2	BP301T.2	Write the reaction, name the reaction, and orientation of the reactions	PO1, PO4, PO7, PO11	Remember, Understand	Factual
3	BP301T.3	Account for reactivity/stability of compounds	PO1, PO7, PO11	Apply, Analyse	Conceptual
4	BP301T.4	Understand the preparation of various organic compounds.	PO1, PO6, PO7, PO9, PO11	Remember, Understand, Apply, Analyse, Create	Conceptual





Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune
B. Pharmacy [2022-23]

CO PO Desired Mapping Report

Year : Second Year - SEM 3

Subject : Pharmaceutical Organic Chemistry II (BP301T) - Theory

Faculty : PROF. A.N. PHUGE, Dr. Kishor Jain

Course Code : BP301T

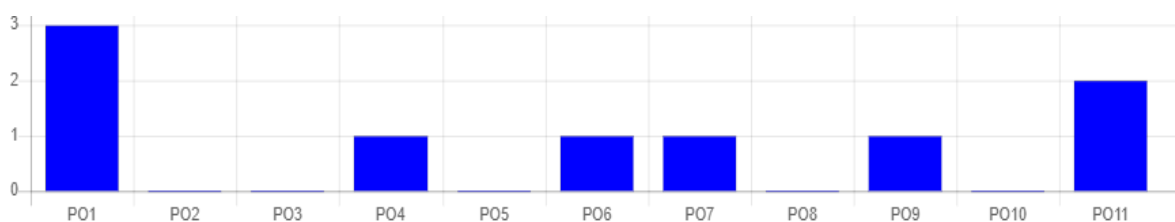
Course Outcome Details

#	Course Outcome	Description
1	BP301T.1	Write the structure, name and the type of isomerism of the organic compound
2	BP301T.2	Write the reaction, name the reaction, and orientation of the reactions
3	BP301T.3	Account for reactivity/stability of compounds
4	BP301T.4	Understand the preparation of various organic compounds.

Desired Attainment Details

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BP301T.1	3			1			1				2
BP301T.2	3			1			1				2
BP301T.3	3						1				2
BP301T.4	3					1	1		1		2
Average	3.00			1.00		1.00	1.00		1.00		2.00

Desired Attainment Average : 1.50



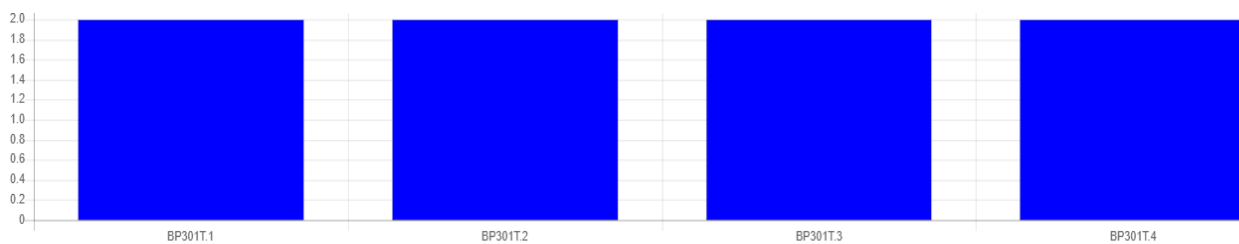


Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

Pharmaceutical Organic Chemistry II (BP301T) - Theory (2022-23) [PROF. A.N. PHUGE] [Dr. Kishor Jain]

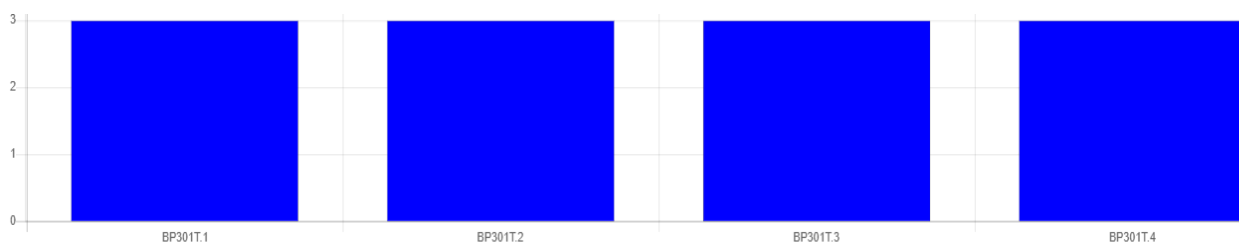
Internal Assessment

Title	Type	% Weightage	BP301T.1	BP301T.2	BP301T.3	BP301T.4
Internal Marks	Internal	25	0.50	0.50	0.50	0.50
Percent course outcome weightage			25.00	25.00	25.00	25.00
Attainment as per percent weightage			0.50	0.50	0.50	0.50
Final attainment			2	2	2	2



External Assessment

Title	Type	% Weightage	BP301T.1	BP301T.2	BP301T.3	BP301T.4
External Marks	External	75	2.25	2.25	2.25	2.25
Percent course outcome weightage			75.00	75.00	75.00	75.00
Attainment as per percent weightage			2.25	2.25	2.25	2.25
Final attainment			3	3	3	3

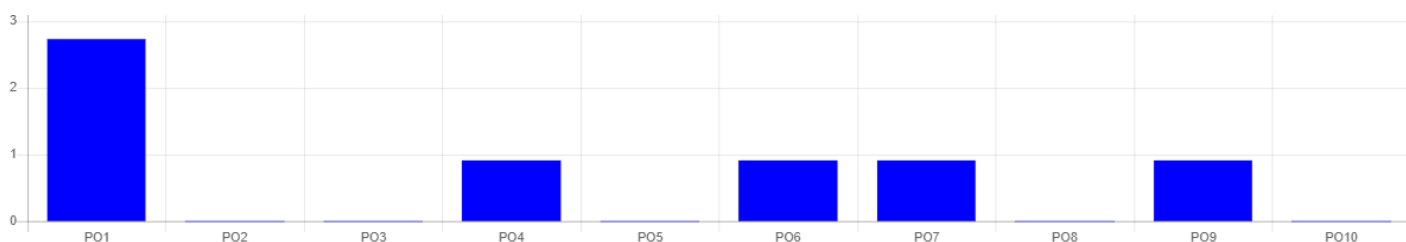


Direct Total Attainment

Course Outcome	Internal	External
BP301T.1	2.00	3.00
BP301T.2	2.00	3.00
BP301T.3	2.00	3.00
BP301T.4	2.00	3.00
Average	2.00	3.00
Weightage	25	75
Direct Total Attainment	0.50	2.25
Final Direct Course Attainment	2.75	

Final Attainment

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
Final Attainment	2.75			0.92		0.92	0.92		0.92		1.83
Percentage	91.67			30.67		30.67	30.67		30.67		61.00





Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

B. Pharmacy [2022-23]

Course Outcome

Year : Second Year - SEM 3

Subject : Physical Pharmaceutics I (BP302T)(Theory | Regular)

Course Code : BP302T

Sr. No.	CO Id	Course Outcome	PO/PSO	Cognitive Levels	Knowledge Categories
1	BP302T.1	Explain and apply the key physical pharmacy concepts of solubility and dissolution and also compare and contrast between one, two & three component system	PO1, PO11	Analyse, Evaluate	Factual, Practical Constraints
2	BP302T.2	Investigate and apply various theories, laws and equations related to different states of matter	PO1, PO11	Understand, Apply	Factual, Practical Constraints
3	BP302T.3	Know about crystallization as well as various parameters of crystal like crystal forms, habits, lattice angle, methods of crystal analysis, polymorphism	PO1	Apply, Analyse	Conceptual, Procedural
4	BP302T.4	Acquire sufficient knowledge of surface and interfacial tension between the surfaces	PO1, PO3, PO11	Understand, Apply, Evaluate	Factual, Procedural
5	BP302T.5	Distinguish the principles of complexation/ protein binding & to use them for calculations of drug release and stability constant	PO1	Understand, Analyse	Factual, Procedural
6	BP302T.6	Adapt knowledge of pH, buffers and isotonic solutions.	PO1, PO11	Remember, Understand, Analyse	Factual, Conceptual, Procedural





Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

B. Pharmacy [2022-23]

CO PO Desired Mapping Report

Year : Second Year - SEM 3

Subject : Physical Pharmaceutics I (BP302T) - Theory

Faculty : Mr. Omkar Haribhau Kolhe

Course Code : BP302T

Course Outcome Details

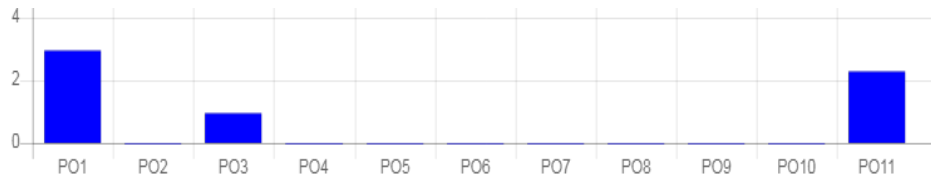
#	Course Outcome	Description
1	BP302T.1	Explain and apply the key physical pharmacy concepts of solubility and dissolution and also compare and contrast between one, two & three component system
2	BP302T.2	Investigate and apply various theories, laws and equations related to different states of matter
3	BP302T.3	Know about crystallization as well as various parameters of crystal like crystal forms, habits, lattice angle, methods of crystal analysis, polymorphism
4	BP302T.4	Acquire sufficient knowledge of surface and interfacial tension between the surfaces
5	BP302T.5	Distinguish the principles of complexation/ protein binding & to use them for calculations of drug release and stability constant
6	BP302T.6	Adapt knowledge of pH, buffers and isotonic solutions.

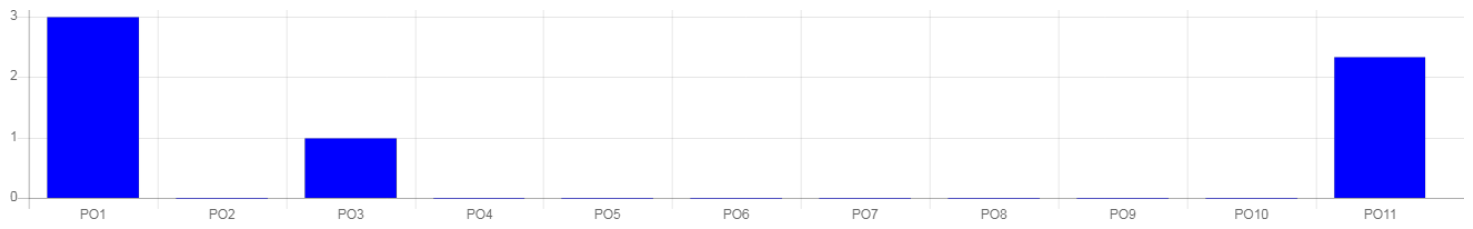
Desired Attainment Details

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BP302T.1	3										2
BP302T.2	3										3
BP302T.3	3										2
BP302T.4	3		1								3
BP302T.5	3										1
BP302T.6	3										3
Average	3.00		1.00								2.33

Desired Attainment Average : 2.11









Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

B. Pharmacy [2022-23]

Course Outcome

Year : Second Year - SEM 3

Subject : Pharmaceutical Microbiology (BP303T)(Theory | Regular)

Course Code : BP303T

Sr. No.	CO Id	Course Outcome	PO/PSO	Cognitive Levels	Knowledge Categories
1	BP303T.1	To Understand methods of identification, cultivation and preservation of various Microorganisms	PO1, PO6, PO11	Remember, Understand, Create	Factual, Conceptual
2	BP303T.2	To understand the importance and implementation of sterilization in pharmaceutical processing and industry	PO1, PO11	Remember, Understand	Factual, Conceptual
3	BP303T.3	To Learn sterility testing of pharmaceutical products.	PO1, PO11	Remember, Understand	Factual, Conceptual
4	BP303T.4	To Carry out microbiological standardization of Pharmaceuticals.	PO1, PO6, PO11	Remember, Understand	Conceptual, Meta-cognitive
5	BP303T.5	To Understand the cell culture technology and its applications in pharmaceutical industries.	PO1, PO2, PO11	Remember, Understand, Evaluate	Conceptual, Meta-cognitive
6	BP303T.6	To Describe the cell culture technology and its applications in pharmaceutical industries	PO1, PO11	Remember, Understand	Conceptual, Procedural
7	BP303T.7	To Understand the concept of sterility and laminar air flow pattern	PO1, PO11	Remember, Understand	Conceptual, Practical Constraints
8	BP303T.8	To understand the different techniques of sterilization	PO1, PO4, PO11	Understand	Conceptual, Practical Constraints

Waidya



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Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune
B. Pharmacy [2022-23]

CO PO Desired Mapping Report

Year : Second Year - SEM 3

Subject : Pharmaceutical Microbiology (BP303T) - Theory

Faculty : Vipra Vaidya

Course Code : BP303T

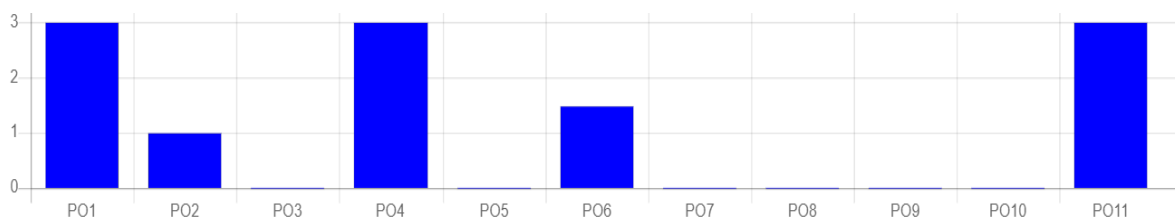
Course Outcome Details

#	Course Outcome	Description
1	BP303T.1	To Understand methods of identification, cultivation and preservation of various Microorganisms
2	BP303T.2	To understand the importance and implementation of sterilization in pharmaceutical processing and industry
3	BP303T.3	To Learn sterility testing of pharmaceutical products.
4	BP303T.4	To Carry out microbiological standardization of Pharmaceuticals.
5	BP303T.5	To Understand the cell culture technology and its applications in pharmaceutical industries.
6	BP303T.6	To Describe the cell culture technology and its applications in pharmaceutical industries
7	BP303T.7	To Understand the concept of sterility and laminar air flow pattern
8	BP303T.8	To understand the different techniques of sterilization

Desired Attainment Details

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BP303T.1	3					1					3
BP303T.2	3										3
BP303T.3	3										3
BP303T.4	3					2					3
BP303T.5	3	1									3
BP303T.6	3										3
BP303T.7	3										3
BP303T.8	3			3							3
Average	3.00	1.00		3.00		1.50					3.00

Desired Attainment Average : 2.30



Vaidya

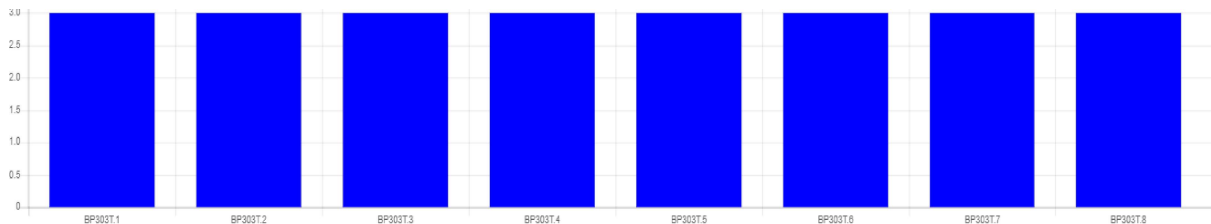


Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

Pharmaceutical Microbiology (BP303T) - Theory (2022-23) [Vipra Valdyia]

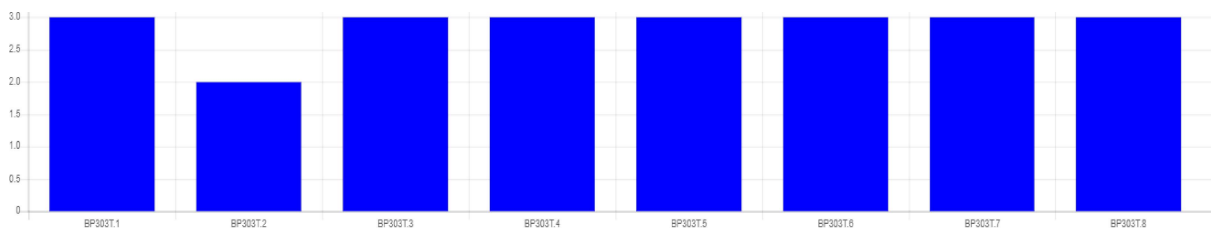
Internal Assessment

Title	Type	% Weightage	BP303T.1	BP303T.2	BP303T.3	BP303T.4	BP303T.5	BP303T.6	BP303T.7	BP303T.8
Internal Examination	Internal	25	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
Percent course outcome weightage			25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00
Attainment as per percent weightage			0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
Final attainment			3	3	3	3	3	3	3	3



External Assessment

Title	Type	% Weightage	BP303T.1	BP303T.2	BP303T.3	BP303T.4	BP303T.5	BP303T.6	BP303T.7	BP303T.8
External Examination	External	75	2.25	1.50	2.25	2.25	2.25	2.25	2.25	2.25
Percent course outcome weightage			75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00
Attainment as per percent weightage			2.25	1.5	2.25	2.25	2.25	2.25	2.25	2.25
Final attainment			3	2	3	3	3	3	3	3

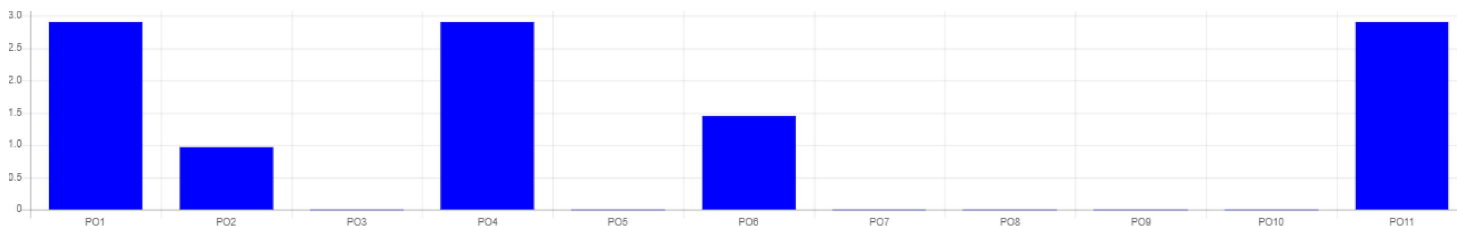


Direct Total Attainment

Course Outcome	Internal	External
BP303T.1	3.00	3.00
BP303T.2	3.00	2.00
BP303T.3	3.00	3.00
BP303T.4	3.00	3.00
BP303T.5	3.00	3.00
BP303T.6	3.00	3.00
BP303T.7	3.00	3.00
BP303T.8	3.00	3.00
Average	3.00	2.88
Weightage	25	75
Direct Total Attainment	0.75	2.16
Final Direct Course Attainment		2.91

Final Attainment

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
Final Attainment	2.91	0.97		2.91		1.46					2.91
Percentage	97.00	32.33		97.00		48.67					97.00



Vaidya



Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

B. Pharmacy [2022-23]

Course Outcome

Year : Second Year - SEM 3

Subject : Pharmaceutical Engineering (BP304T)(Theory | Regular)

Course Code : BP304T

Sr. No.	CO Id	Course Outcome	PO/PSO	Cognitive Levels	Knowledge Categories
1	BP304T.1	Gain knowledge about various unit operations used in Pharmaceutical industries	PO1, PO3, PO4, PO11	Remember, Understand, Apply	Factual, Conceptual
2	BP304T.2	Procure knowledge about the basics of various material handling techniques in pharmaceutical industry	PO1, PO2, PO11	Remember, Understand, Apply, Analyse	Conceptual, Procedural
3	BP304T.3	Understand the significance of plant lay out design for optimum use of resources and gain the knowledge of various materials used for pharmaceutical plant construction.	PO1, PO11	Remember, Understand	Conceptual, Procedural
4	BP304T.4	Understand the various types of corrosion and the preventive methods that can be adopted for corrosion control in Pharmaceutical industries.	PO1, PO11	Remember, Understand, Apply	Factual, Conceptual
5	BP304T.5	Appreciate various preventive methods used for corrosion control in pharmaceutical industry.	PO1, PO11	Remember, Understand, Apply	Factual, Procedural
6	BP304T.6	Analyze fundamentals of centrifuge for particle separation as well as mixer for particle mixing in pharmacy practice	PO1, PO2, PO11	Remember, Understand, Apply	Factual, Conceptual, Procedural

Signature



Signature



Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

B. Pharmacy [2022-23]

CO PO Desired Mapping Report

Year : Second Year - SEM 3

Subject : Pharmaceutical Engineering (BP304T) - Theory

Faculty : Arti Zumber Gite

Course Code : BP304T

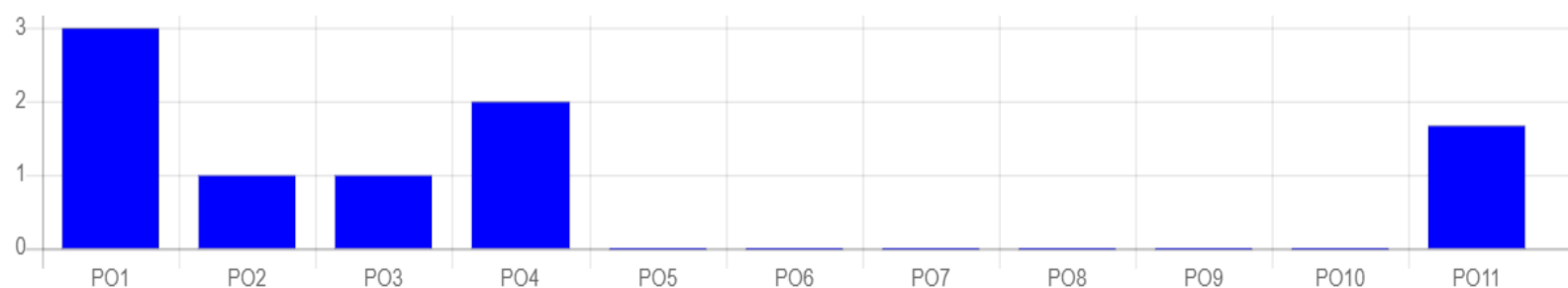
Course Outcome Details

#	Course Outcome	Description
1	BP304T.1	Gain knowledge about various unit operations used in Pharmaceutical industries
2	BP304T.2	Procure knowledge about the basics of various material handling techniques in pharmaceutical industry
3	BP304T.3	Understand the significance of plant lay out design for optimum use of resources and gain the knowledge of various materials used for pharmaceutical plant construction.
4	BP304T.4	Understand the various types of corrosion and the preventive methods that can be adopted for corrosion control in Pharmaceutical industries.
5	BP304T.5	Appreciate various preventive methods used for corrosion control in pharmaceutical industry.
6	BP304T.6	Analyze fundamentals of centrifuge for particle separation as well as mixer for particle mixing in pharmacy practice

Desired Attainment Details

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BP304T.1	3		1	2							2
BP304T.2	3	1									1
BP304T.3	3										2
BP304T.4	3										2
BP304T.5	3										2
BP304T.6	3	1									1
Average	3.00	1.00	1.00	2.00							1.67

Desired Attainment Average : 1.73



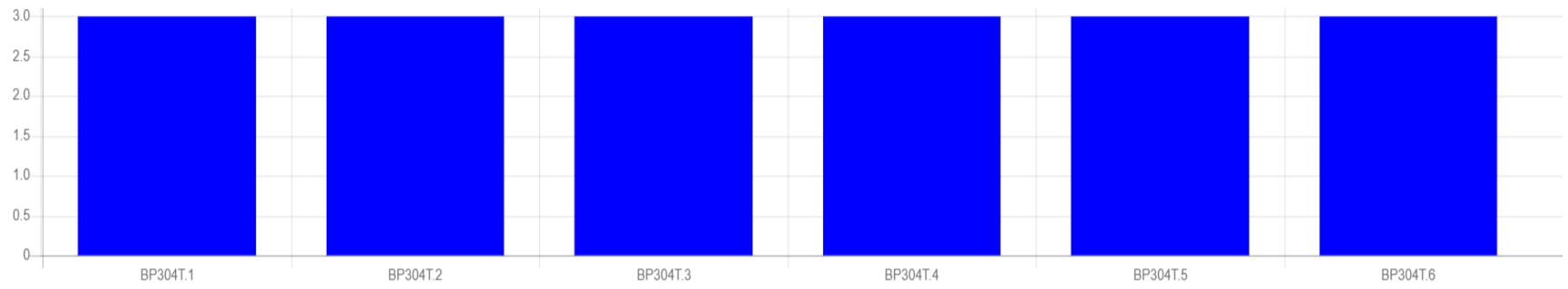


Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

Pharmaceutical Engineering (BP304T) - Theory (2022-23) [Arti Zumber Gite]

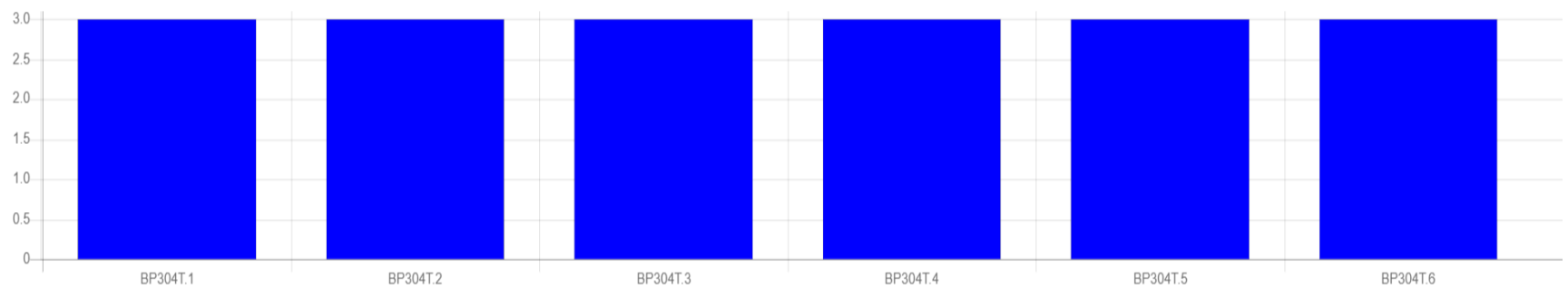
Internal Assessment

Title	Type	% Weightage	BP304T.1	BP304T.2	BP304T.3	BP304T.4	BP304T.5	BP304T.6
Internal Marks	Internal	25	0.75	0.75	0.75	0.75	0.75	0.75
Percent course outcome weightage			25.00	25.00	25.00	25.00	25.00	25.00
Attainment as per percent weightage			0.75	0.75	0.75	0.75	0.75	0.75
Final attainment			3	3	3	3	3	3



External Assessment

Title	Type	% Weightage	BP304T.1	BP304T.2	BP304T.3	BP304T.4	BP304T.5	BP304T.6
External Marks	External	75	2.25	2.25	2.25	2.25	2.25	2.25
Percent course outcome weightage			75.00	75.00	75.00	75.00	75.00	75.00
Attainment as per percent weightage			2.25	2.25	2.25	2.25	2.25	2.25
Final attainment			3	3	3	3	3	3

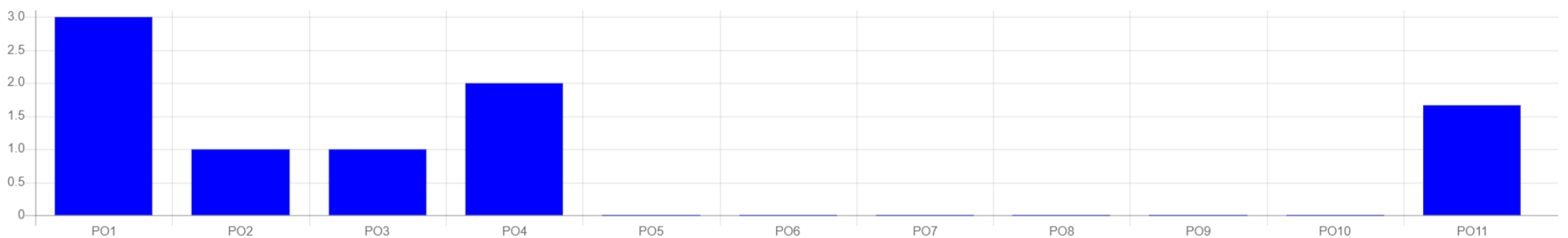


Direct Total Attainment

Course Outcome	Internal	External
BP304T.1	3.00	3.00
BP304T.2	3.00	3.00
BP304T.3	3.00	3.00
BP304T.4	3.00	3.00
BP304T.5	3.00	3.00
BP304T.6	3.00	3.00
Average	3.00	3.00
Weightage	25	75
Direct Total Attainment	0.75	2.25
Final Direct Course Attainment	3.00	

Final Attainment

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
Final Attainment	3.00	1.00	1.00	2.00							1.67
Percentage	100.00	33.33	33.33	66.67							55.67





Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

B. Pharmacy [2022-23]

Course Outcome

Year : Second Year - SEM 3

Subject : PHARMACEUTICAL ORGANIC CHEMISTRY II (BP305P)(Practical | Regular)

Sr. No.	CO Id	Course Outcome	PO/PSO	Cognitive Levels	Knowledge Categories
1	BP305P.1	Learn different techniques like recrystallization and steam distillation	PO1, PO10, PO11	Understand, Apply	Conceptual
2	BP305P.2	Separate the given organic binary mixture	PO1, PO11	Understand, Apply, Analyse	Conceptual
3	BP305P.3	Understand saponification value and its determination of different oil samples.	PO1, PO7, PO9, PO10, PO11	Understand, Apply	Conceptual
4	BP305P.4	Understand how to prepare small organic compound.	PO1, PO11	Understand, Apply	Conceptual





Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune
B. Pharmacy [2022-23]

CO PO Desired Mapping Report

Year : Second Year - SEM 3

Subject : PHARMACEUTICAL ORGANIC CHEMISTRY II (BP305P) - Practical

Faculty : Prof. A.n. Phuge

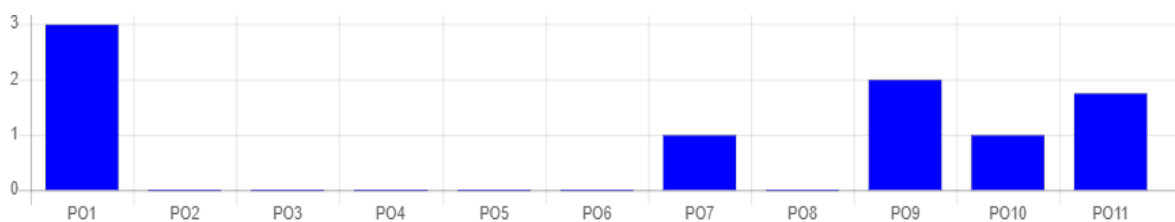
Course Outcome Details

#	Course Outcome	Description
1	BP305P.1	Learn different techniques like recrystallization and steam distillation
2	BP305P.2	Separate the given organic binary mixture
3	BP305P.3	Understand saponification value and its determination of different oil samples.
4	BP305P.4	Understand how to prepare small organic compound.

Desired Attainment Details

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BP305P.1	3									1	3
BP305P.2	3										2
BP305P.3	3						1		2	1	1
BP305P.4	3										1
Average	3.00						1.00		2.00	1.00	1.75

Desired Attainment Average : 1.75





Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

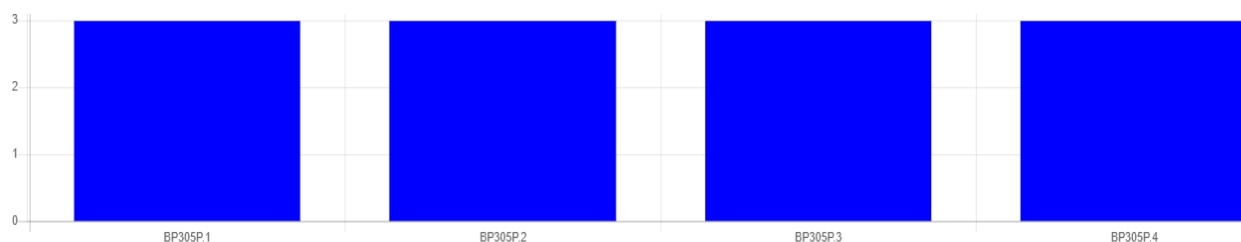
PHARMACEUTICAL ORGANIC CHEMISTRY II (BP305P) - Practical (2022-23) [Prof. A.n. Phuge] [Prof. A.n. Phuge] [Prof. A.n. Phuge] [Prof. A.n. Phuge] [Prof. A.n. Phuge] [Prof. A.n. Phuge]

Internal Assessment

Batch [Batch A, Batch B, Batch C] Internal Assessment	Type	% Weightage	BP305P.1	BP305P.2	BP305P.3	BP305P.4
Internal Marks [Batch A, Batch B, Batch C]	Internal	30	0.90	0.90	0.90	0.90
Percent course outcome weightage			30.00	30.00	30.00	30.00
Attainment as per percent weightage			0.9	0.9	0.9	0.9
Final Attainment			3	3	3	3

Internal Assessment Course Outcome Attainment Average

Course Outcome	BP305P.1	BP305P.2	BP305P.3	BP305P.4
Average	3.00	3.00	3.00	3.00



External Assessment

Batch [Batch A, Batch B, Batch C] External Assessment	Type	% Weightage	BP305P.1	BP305P.2	BP305P.3	BP305P.4
External Marks [Batch A, Batch B, Batch C]	External	70	2.10	2.10	2.10	2.10
Percent course outcome weightage			70.00	70.00	70.00	70.00
Attainment as per percent weightage			2.1	2.1	2.1	2.1
Final Attainment			3	3	3	3

External Assessment Course Outcome Attainment Average

Course Outcome	BP305P.1	BP305P.2	BP305P.3	BP305P.4
Average	3.00	3.00	3.00	3.00

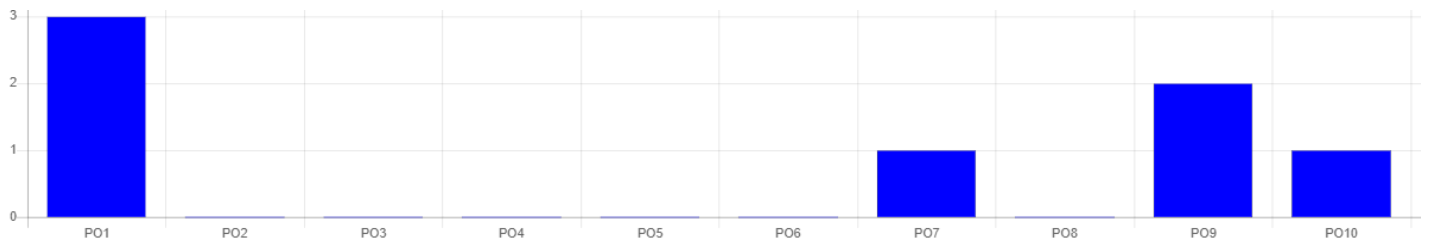


Direct Total Attainment

Course Outcome	Internal	External
BP305P.1	3.00	3.00
BP305P.2	3.00	3.00
BP305P.3	3.00	3.00
BP305P.4	3.00	3.00
Average	3.00	3.00
Weightage	30	70
Direct Total Attainment	0.90	2.10
Final Direct Course Attainment	3.00	

Final Attainment

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
Final Attainment	3.00						1.00		2.00	1.00	1.75
Percentage	100.00						33.33		66.67	33.33	58.33



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Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune
B. Pharmacy [2022-23]

Course Outcome

Year : Second Year - SEM 3

Subject : PHYSICAL PHARMACEUTICS - I (BP306P)(Practical | Regular)

Course Code : BP306P

Sr. No.	CO Id	Course Outcome	PO/PSO	Cognitive Levels	Knowledge Categories
1	BP306P.1	Analyze the physicochemical properties such as solubility, pH, refractive index, partition coefficient, PKa values etc. experimentally.	PO1, PO3, PO4, PO11	Remember, Understand, Apply, Analyse, Evaluate	Factual, Conceptual, Procedural, Practical Constraints, Factual
2	BP306P.2	Study the effect of electrolyte on upper consolute temperature in phase diagram.	PO1, PO3, PO11	Remember, Understand, Apply, Analyse, Evaluate	Factual, Conceptual, Procedural, Practical Constraints, Factual
3	BP306P.3	Demonstrate the various adsorption isotherms by experimentally.	PO1, PO11	Remember, Understand, Apply, Analyse, Create	Factual, Conceptual, Procedural, Practical Constraints, Factual
4	BP306P.4	Determine the surface tension, critical micellar concentration, HLB value of various surfactants.	PO1, PO3, PO11	Remember, Understand, Apply, Analyse, Evaluate, Create	Factual, Conceptual, Practical Constraints, Factual
5	BP306P.5	Complexation, Stability Constant, Donor-Acceptor ratio	PO1, PO3, PO11	Remember, Understand, Apply, Evaluate	Factual, Conceptual, Procedural, Practical Constraints





Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

B. Pharmacy [2022-23]

CO PO Desired Mapping Report

Year : Second Year - SEM 3

Subject : PHYSICAL PHARMACEUTICS - I (BP306P) - Practical

Faculty : Mr. Omkar Haribhau Kolhe

Course Code : BP306P

Course Outcome Details

#	Course Outcome	Description
1	BP306P.1	Analyze the physicochemical properties such as solubility, pH, refractive index, partition coefficient, PKa values etc. experimentally.
2	BP306P.2	Study the effect of electrolyte on upper consolute temperature in phase diagram.
3	BP306P.3	Demonstrate the various adsorption isotherms by experimentally.
4	BP306P.4	Determine the surface tension, critical micellar concentration, HLB value of various surfactants.
5	BP306P.5	Complexation, Stability Constant, Donor-Acceptor ratio

Desired Attainment Details

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BP306P.1	3		2	3							3
BP306P.2	3		2								3
BP306P.3	3										3
BP306P.4	3	1									3
BP306P.5	3	1									3
Average	3.00	1.00	2.00	3.00							3.00

Desired Attainment Average : 2.40





Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

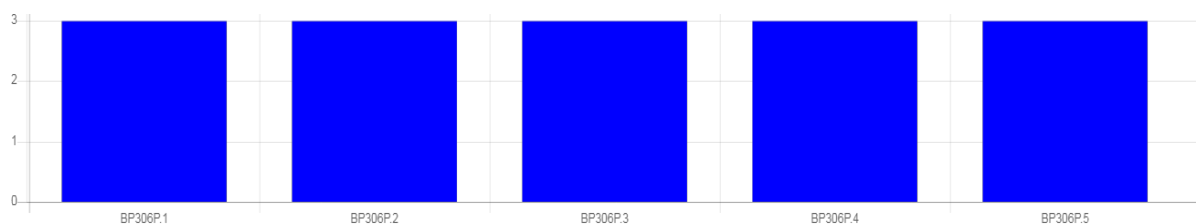
PHYSICAL PHARMACEUTICS - I (BP306P) - Practical (2022-23) [Mr. Omkar Haribhau Kolhe] [Mr. Omkar Haribhau Kolhe] [Mr. Omkar Haribhau Kolhe]

Internal Assessment

Batch [Batch A, Batch B, Batch C] Internal Assessment	Type	% Weightage	BP306P.1	BP306P.2	BP306P.3	BP306P.4	BP306P.5
Internal Marks [Batch A, Batch B, Batch C]	Internal	30	0.90	0.90	0.90	0.90	0.90
Percent course outcome weightage			30.00	30.00	30.00	30.00	30.00
Attainment as per percent weightage			0.9	0.9	0.9	0.9	0.9
Final Attainment			3	3	3	3	3

Internal Assessment Course Outcome Attainment Average

Course Outcome	BP306P.1	BP306P.2	BP306P.3	BP306P.4	BP306P.5
Average	3.00	3.00	3.00	3.00	3.00

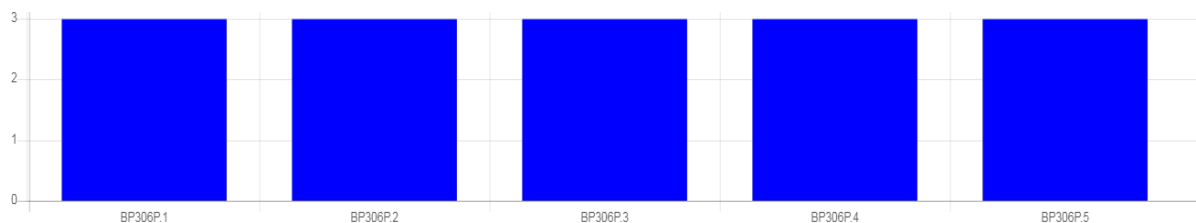


External Assessment

Batch [Batch A, Batch B, Batch C] External Assessment	Type	% Weightage	BP306P.1	BP306P.2	BP306P.3	BP306P.4	BP306P.5
Savitribai Phule Pune University Practical Examination (December 2022) [Batch A, Batch B, Batch C]	External	70	2.10	2.10	2.10	2.10	2.10
Percent course outcome weightage			70.00	70.00	70.00	70.00	70.00
Attainment as per percent weightage			2.1	2.1	2.1	2.1	2.1
Final Attainment			3	3	3	3	3

External Assessment Course Outcome Attainment Average

Course Outcome	BP306P.1	BP306P.2	BP306P.3	BP306P.4	BP306P.5
Average	3.00	3.00	3.00	3.00	3.00

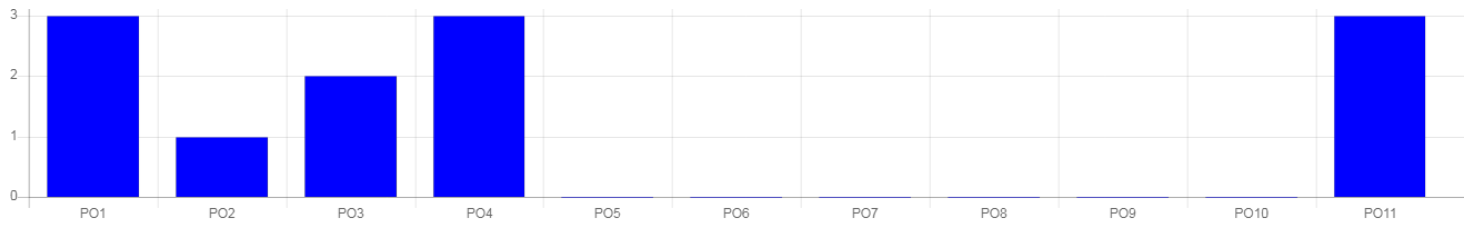


Direct Total Attainment

Course Outcome	Internal	External
BP306P.1	3.00	3.00
BP306P.2	3.00	3.00
BP306P.3	3.00	3.00
BP306P.4	3.00	3.00
BP306P.5	3.00	3.00
Average	3.00	3.00
Weightage	30	70
Direct Total Attainment	0.90	2.10
Final Direct Course Attainment	3.00	

Final Attainment

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
Final Attainment	3.00	1.00	2.00	3.00							3.00
Percentage	100.00	33.33	66.67	100.00							100.00





Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

B. Pharmacy [2022-23]

Course Outcome

Year : Second Year - SEM 3

Subject : PHARMACEUTICAL MICROBIOLOGY (BP307P)(Practical | Regular)

Course Code : BP307P

Sr. No.	CO Id	Course Outcome	PO/PSO	Cognitive Levels	Knowledge Categories
1	BP307P.1	Know the principle, construction and working of equipments and skill to handle microscope for observation of microbes	PO1, PO4, PO11	Remember, Understand, Apply	Factual, Conceptual, Procedural
2	BP307P.2	Prepare and sterilize nutrient broth, nutrient agar, slants, stabs and plates and aseptic transfer of culture techniques	PO1, PO11	Remember, Understand, Apply	Factual, Conceptual, Procedural
3	BP307P.3	Practice aseptic procedures for inoculation and examine sterility testing of pharmaceuticals	PO1, PO11	Remember, Understand, Evaluate	Conceptual, Procedural, Practical Constraints
4	BP307P.4	Practice different methods of sterilization and isolate pure culture of microorganism	PO1, PO11	Remember, Understand, Apply	Conceptual, Procedural
5	BP307P.5	Adapt the technique involved to see motility of bacteria i.e. hanging drop technique	PO1, PO11	Remember, Understand, Apply	Conceptual, Procedural
6	BP307P.6	Develop skill to execute morphology of bacteria by staining and determine quality of water by Most probable number test (bacteriological analysis)	PO1, PO11	Understand, Apply, Analyse	Procedural
7	BP307P.7	Differentiate Gram negative intestinal bacteria by performing IMVIC test	PO1, PO11	Understand, Analyse	Procedural
8	BP307P.8	Learn standardization of pharmaceutical products microbiologically	PO1, PO9, PO11	Understand, Apply	Procedural

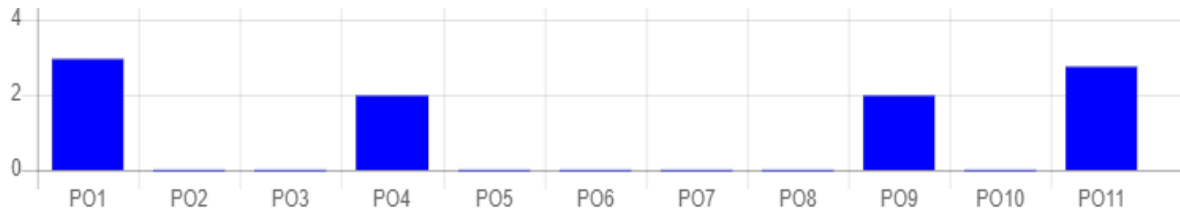
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BP307P.5	3										3
BP307P.6	3										3
BP307P.7	3										3
BP307P.8	3							2			2
Average	3.00			2.00				2.00			2.75

Desired Attainment Average : 2.44



Jiatah.





Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

PHARMACEUTICAL MICROBIOLOGY (BP307P) - Practical (2022-23) [Prof. Shivraj Vilas Mane] [Nilakshi Nerkar] [Priyanka Vijendra Bagade] [Vipra Vaidya] [Priyanka Vijendra Bagade] [Vipra Vaidya]

Internal Assessment

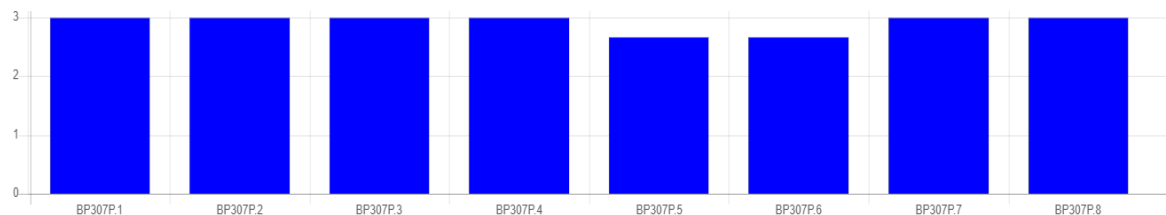
Batch [Batch A] Internal Assessment	Type	% Weightage	BP307P.1	BP307P.2	BP307P.3	BP307P.4	BP307P.5	BP307P.6	BP307P.7	BP307P.8
Internal [Batch A]	Internal	30	0.90	0.90	0.90	0.90	0.60	0.60	0.90	0.90
Percent course outcome weightage			30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
Attainment as per percent weightage			0.9	0.9	0.9	0.9	0.6	0.6	0.9	0.9
Final Attainment			3	3	3	3	2	2	3	3

Batch [Batch B] Internal Assessment	Type	% Weightage	BP307P.1	BP307P.2	BP307P.3	BP307P.4	BP307P.5	BP307P.6	BP307P.7	BP307P.8
Internal Examination [Batch B]	Internal	30	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
Percent course outcome weightage			30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
Attainment as per percent weightage			0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
Final Attainment			3	3	3	3	3	3	3	3

Batch [Batch C] Internal Assessment	Type	% Weightage	BP307P.1	BP307P.2	BP307P.3	BP307P.4	BP307P.5	BP307P.6	BP307P.7	BP307P.8
Internal Examination [Batch C]	Internal	30	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
Percent course outcome weightage			30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
Attainment as per percent weightage			0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
Final Attainment			3	3	3	3	3	3	3	3

Internal Assessment Course Outcome Attainment Average

Course Outcome	BP307P.1	BP307P.2	BP307P.3	BP307P.4	BP307P.5	BP307P.6	BP307P.7	BP307P.8
Average	3.00	3.00	3.00	3.00	2.67	2.67	3.00	3.00



External Assessment

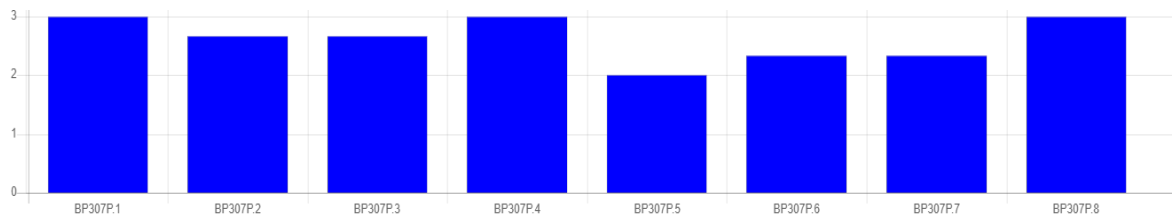
Batch [Batch A] External Assessment	Type	% Weightage	BP307P.1	BP307P.2	BP307P.3	BP307P.4	BP307P.5	BP307P.6	BP307P.7	BP307P.8
External [Batch A]	External	70	2.10	2.10	2.10	2.10	1.40	2.10	1.40	2.10
Percent course outcome weightage			70.00	70.00	70.00	70.00	70.00	70.00	70.00	70.00
Attainment as per percent weightage			2.1	2.1	2.1	2.1	1.4	2.1	1.4	2.1
Final Attainment			3	3	3	3	2	3	2	3

Batch [Batch B] External Assessment	Type	% Weightage	BP307P.1	BP307P.2	BP307P.3	BP307P.4	BP307P.5	BP307P.6	BP307P.7	BP307P.8
External Examination [Batch B]	External	70	2.10	1.40	1.40	2.10	0.70	0.70	1.40	2.10
Percent course outcome weightage			70.00	70.00	70.00	70.00	70.00	70.00	70.00	70.00
Attainment as per percent weightage			2.1	1.4	1.4	2.1	0.7	0.7	1.4	2.1
Final Attainment			3	2	2	3	1	1	2	3

Batch [Batch C] External Assessment	Type	% Weightage	BP307P.1	BP307P.2	BP307P.3	BP307P.4	BP307P.5	BP307P.6	BP307P.7	BP307P.8
External Examination [Batch C]	External	70	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.10
Percent course outcome weightage			70.00	70.00	70.00	70.00	70.00	70.00	70.00	70.00
Attainment as per percent weightage			2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
Final Attainment			3	3	3	3	3	3	3	3

External Assessment Course Outcome Attainment Average

Course Outcome	BP307P.1	BP307P.2	BP307P.3	BP307P.4	BP307P.5	BP307P.6	BP307P.7	BP307P.8
Average	3.00	2.67	2.67	3.00	2.00	2.33	2.33	3.00

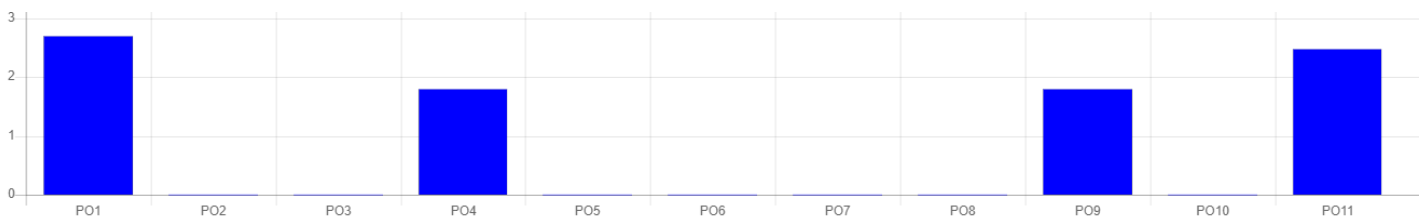


Direct Total Attainment

Course Outcome	Internal	External
BP307P.1	3.00	3.00
BP307P.2	3.00	2.67
BP307P.3	3.00	2.67
BP307P.4	3.00	3.00
BP307P.5	2.67	2.00
BP307P.6	2.67	2.33
BP307P.7	3.00	2.33
BP307P.8	3.00	3.00
Average	2.92	2.63
Weightage	30	70
Direct Total Attainment	0.88	1.84
Final Direct Course Attainment	2.71	

Final Attainment

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
Final Attainment	2.71			1.81					1.81		2.49
Percentage	90.33			60.33					60.33		83.00



Jijau



Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

B. Pharmacy [2022-23]

Course Outcome

Year : Second Year - SEM 3

Subject : PHARMACEUTICAL ENGINEERING (BP308P)(Practical | Regular)

Course Code : BP308P

Sr. No.	CO Id	Course Outcome	PO/PSO	Cognitive Levels	Knowledge Categories
1	BP308P.1	Study various pharmaceutical machines and the equipment's used in pharmaceutical industry.	PO1, PO9, PO10, PO11	Remember, Understand, Apply, Analyse, Evaluate	Conceptual, Procedural
2	BP308P.2	Perform various processes used in pharmaceutical manufacturing process	PO1, PO4, PO11	Remember, Understand, Apply, Analyse, Evaluate	Factual, Conceptual, Procedural, Fundamental Design Principles, Practical Constraints
3	BP308P.3	Develop rigorous experimental and analytical skills for extraction and drying of sample in laboratory	PO1, PO10, PO11	Remember, Understand, Apply, Analyse	Conceptual, Procedural, Practical Constraints
4	BP308P.4	Study various unit operations and process used in pharmaceutical industry and the effect of factors influencing them.	PO1, PO2, PO4, PO10, PO11	Remember, Understand, Apply	Factual, Conceptual, Procedural

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Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

B. Pharmacy [2022-23]

CO PO Desired Mapping Report

Year : Second Year - SEM 3

Subject : PHARMACEUTICAL ENGINEERING (BP308P) - Practical

Faculty : Arti Zumber Gite

Course Code : BP308P

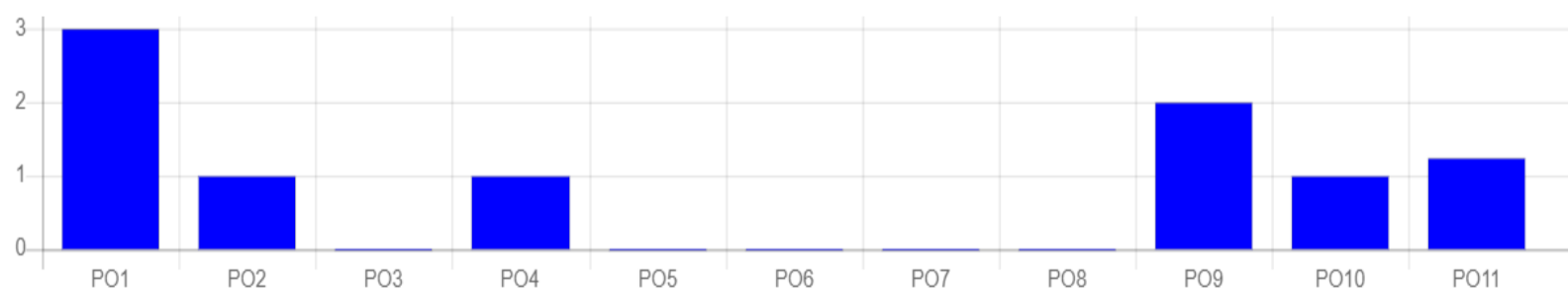
Course Outcome Details

#	Course Outcome	Description
1	BP308P.1	Study various pharmaceutical machines and the equipment's used in pharmaceutical industry.
2	BP308P.2	Perform various processes used in pharmaceutical manufacturing process
3	BP308P.3	Develop rigorous experimental and analytical skills for extraction and drying of sample in laboratory
4	BP308P.4	Study various unit operations and process used in pharmaceutical industry and the effect of factors influencing them.

Desired Attainment Details

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BP308P.1	3								2	1	1
BP308P.2	3			1							1
BP308P.3	3									1	2
BP308P.4	3	1		1						1	1
Average	3.00	1.00		1.00					2.00	1.00	1.25

Desired Attainment Average : 1.54



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Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

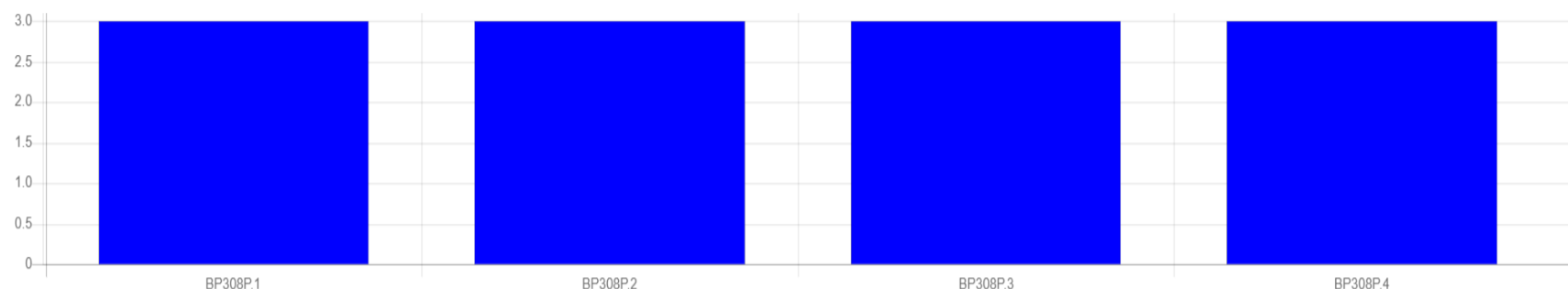
PHARMACEUTICAL ENGINEERING (BP308P) - Practical (2022-23) [Arti Zumbar Gite] [Arti Zumbar Gite] [Arti Zumbar Gite]

Internal Assessment

Batch [Batch A, Batch B, Batch C] Internal Assessment	Type	% Weightage	BP308P.1	BP308P.2	BP308P.3	BP308P.4
Internal Marks [Batch A, Batch B, Batch C]	Internal	30	0.90	0.90	0.90	0.90
Percent course outcome weightage			30.00	30.00	30.00	30.00
Attainment as per percent weightage			0.9	0.9	0.9	0.9
Final Attainment			3	3	3	3

Internal Assessment Course Outcome Attainment Average

Course Outcome	BP308P.1	BP308P.2	BP308P.3	BP308P.4
Average	3.00	3.00	3.00	3.00

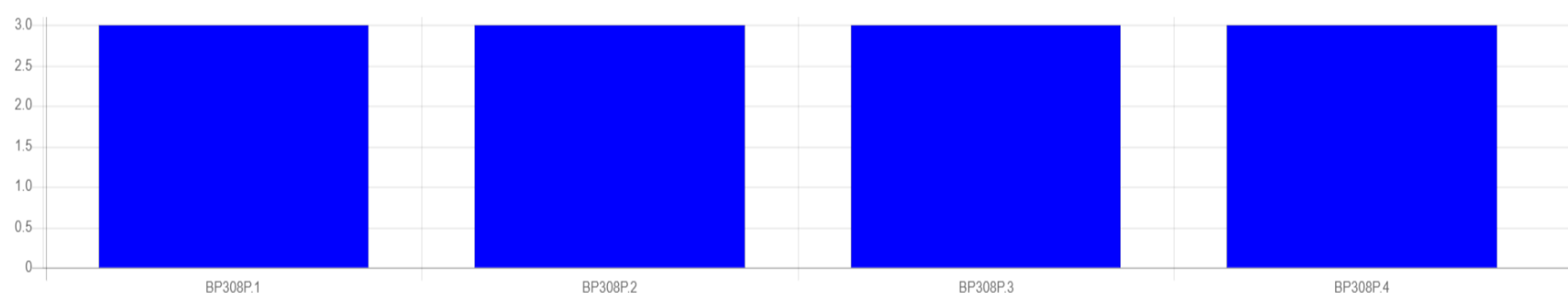


External Assessment

Batch [Batch A, Batch B, Batch C] External Assessment	Type	% Weightage	BP308P.1	BP308P.2	BP308P.3	BP308P.4
SPPU Practical Examination [Batch A, Batch B, Batch C]	External	70	2.10	2.10	2.10	2.10
Percent course outcome weightage			70.00	70.00	70.00	70.00
Attainment as per percent weightage			2.1	2.1	2.1	2.1
Final Attainment			3	3	3	3

External Assessment Course Outcome Attainment Average

Course Outcome	BP308P.1	BP308P.2	BP308P.3	BP308P.4
Average	3.00	3.00	3.00	3.00

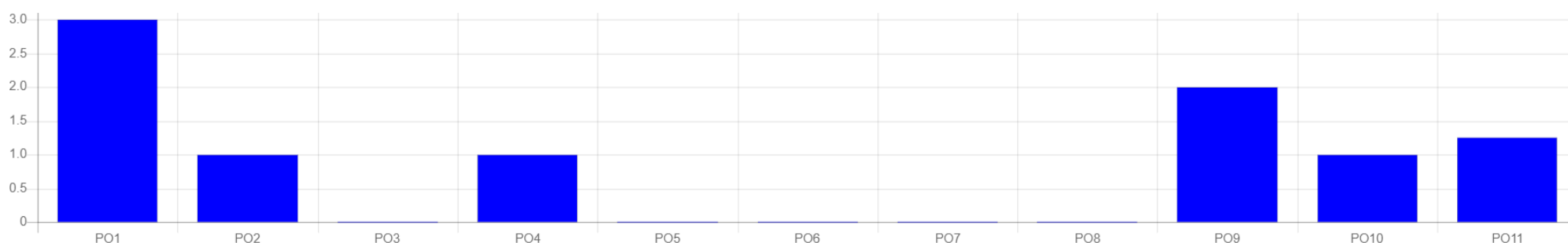


Direct Total Attainment

Course Outcome	Internal	External
BP308P.1	3.00	3.00
BP308P.2	3.00	3.00
BP308P.3	3.00	3.00
BP308P.4	3.00	3.00
Average	3.00	3.00
Weightage	30	70
Direct Total Attainment	0.90	2.10
Final Direct Course Attainment	3.00	

Final Attainment

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
Final Attainment	3.00	1.00		1.00					2.00	1.00	1.25
Percentage	100.00	33.33		33.33					66.67	33.33	41.67





Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

B. Pharmacy [2022-23]

Course Outcome

Year : Second Year - SEM 3

Subject : COMMUNICATION SKILL(Theory | Elective)

Course Code : BP105T

Sr. No.	CO Id	Course Outcome	PO/PSO	Cognitive Levels	Knowledge Categories
1	BP105T.1	Knowledge of basic aspects & soft skills for effective communication.	PO6, PO8, PO11	Remember, Understand, Apply	Procedural, Meta-cognitive
2	BP105T.2	Distinguish the elements of communication & communication style & its application for effectively manage the team as a team player.	PO8, PO11	Understand, Apply, Analyse, Evaluate, Create	Conceptual, Meta-cognitive, Criteria & Specifications, Practical Constraints
3	BP105T.3	Understand the basic listening skills & its importance in pharmacy practice.	PO8, PO9, PO11	Remember, Understand, Apply, Analyse, Evaluate, Create	Factual, Conceptual, Procedural
4	BP105T.4	Acquire the knowledge of technical writing skill	PO8, PO11	Understand, Apply	Conceptual, Procedural, Meta-cognitive
5	BP105T.5	Develop the interview skills & group discussion skills.	PO5, PO8, PO11	Remember, Understand, Apply, Create	Factual, Procedural, Meta-cognitive, Practical Constraints

S.T.B.



J. Sohumal



Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

B. Pharmacy [2022-23]

CO PO Desired Mapping Report

Year : Second Year - SEM 3

Subject : COMMUNICATION SKILL - Theory

Faculty : PROF. SUHAS GHODEKAR

Course Code : BP105T

Course Outcome Details

#	Course Outcome	Description
1	BP105T.1	Knowledge of basic aspects & soft skills for effective communication.
2	BP105T.2	Distinguish the elements of communication & communication style & its application for effectively manage the team as a team player.
3	BP105T.3	Understand the basic listening skills & its importance in pharmacy practice.
4	BP105T.4	Acquire the knowledge of technical writing skill
5	BP105T.5	Develop the interview skills & group discussion skills.

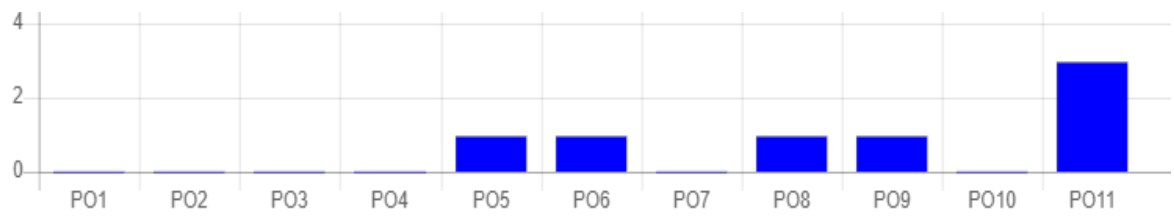
Desired Attainment Details

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BP105T.1						1		1			3
BP105T.2								1			3
BP105T.3								1	1		3
BP105T.4								1			3
BP105T.5					1			1			3
Average					1.00	1.00		1.00	1.00		3.00

Desired Attainment Average : 1.40

S.T.B.





STB



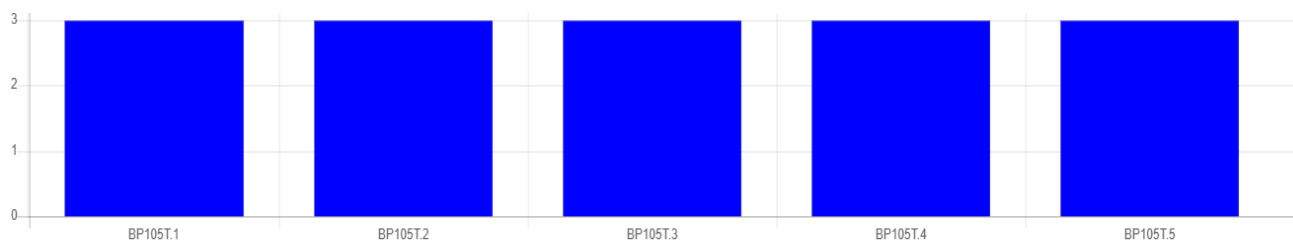


Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

COMMUNICATION SKILL - Theory (2022-23) [PROF. SUHAS GHODEKAR]

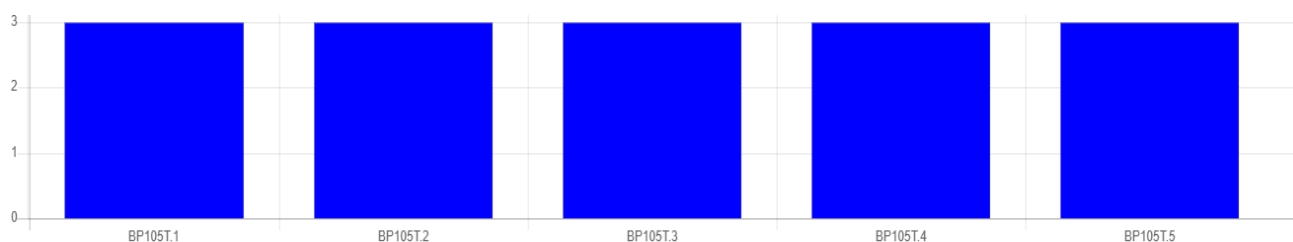
Internal Assessment

Title	Type	% Weightage	BP105T.1	BP105T.2	BP105T.3	BP105T.4	BP105T.5
Internal	Internal	30	0.90	0.90	0.90	0.90	0.90
Percent course outcome weightage			30.00	30.00	30.00	30.00	30.00
Attainment as per percent weightage			0.90	0.90	0.90	0.90	0.90
Final attainment			3	3	3	3	3



External Assessment

Title	Type	% Weightage	BP105T.1	BP105T.2	BP105T.3	BP105T.4	BP105T.5
University Mark	External	70	2.10	2.10	2.10	2.10	2.10
Percent course outcome weightage			70.00	70.00	70.00	70.00	70.00
Attainment as per percent weightage			2.1	2.1	2.1	2.1	2.1
Final attainment			3	3	3	3	3

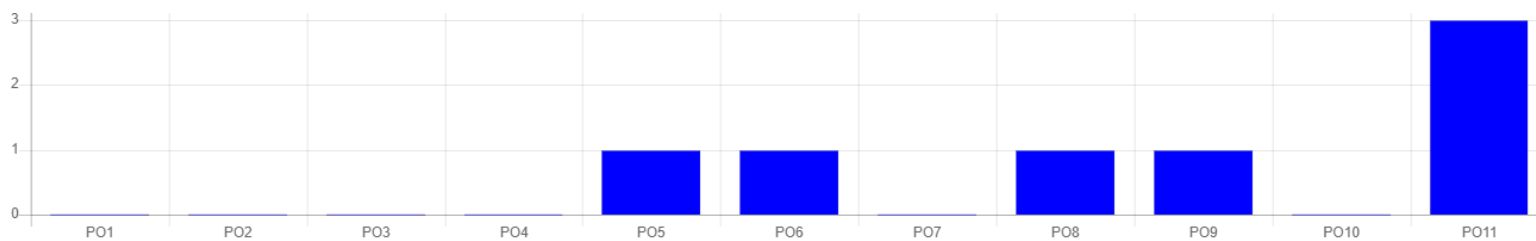


Direct Total Attainment

Course Outcome	Internal	External
BP105T.1	3.00	3.00
BP105T.2	3.00	3.00
BP105T.3	3.00	3.00
BP105T.4	3.00	3.00
BP105T.5	3.00	3.00
Average	3.00	3.00
Weightage	30	70
Direct Total Attainment	0.90	2.10
Final Direct Course Attainment	3.00	

Final Attainment

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
Final Attainment					1.00	1.00		1.00	1.00		3.00
Percentage					33.33	33.33		33.33	33.33		100.00



STB



RAJMATA JIJAU SHIKSHAN PRASARAK MANDAL'S
COLLEGE OF PHARMACY (B.Pharm.)

Approved by PCI, AICTE, Govt. of Maharashtra & DTE
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Dr. Kishor S. Jain
Principal

CO-PO Attainment Report
(Sem - 4)
(A.Y. 2022-2023)



Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

B. Pharmacy [2022-23]

Course Outcome

Year : Second Year - Sem 4

Subject : Pharmaceutical Organic Chemistry III (BP401T)(Theory | Regular)

Course Code : BP401T

Sr. No.	CO Id	Course Outcome	PO/PSO	Cognitive Levels	Knowledge Categories
1	BP401T.1	Understand the methods of preparation and properties of organic compounds.	PO1, PO11	Understand	Not present
2	BP401T.2	Explain the stereochemical aspects of organic compounds and stereo chemical reactions.	PO1, PO11	Understand	Conceptual
3	BP401T.3	Know the medicinal uses and other applications of organic compounds	PO1	Remember, Understand, Apply	Conceptual
4	BP401T.4	Understand the reactions and mechanism of name reactions.	PO1	Remember, Understand, Apply	Conceptual

H. Deshpande

PH





Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

B. Pharmacy [2022-23]

CO PO Desired Mapping Report

Year : Second Year - Sem 4

Subject : Pharmaceutical Organic Chemistry III (BP401T) - Theory

Faculty : Dr. Kishor Jain, Saroja Adepawar

Course Code : BP401T

Course Outcome Details

#	Course Outcome	Description
1	BP401T.1	Understand the methods of preparation and properties of organic compounds.
2	BP401T.2	Explain the stereochemical aspects of organic compounds and stereochemical reactions.
3	BP401T.3	Know the medicinal uses and other applications of organic compounds
4	BP401T.4	Understand the reactions and mechanism of name reactions.

Desired Attainment Details

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BP401T.1	3										1
BP401T.2	3										1
BP401T.3	3										
BP401T.4	3										
Average	3.00										1.00

Desired Attainment Average : 2.00



S. Jeyaprasad

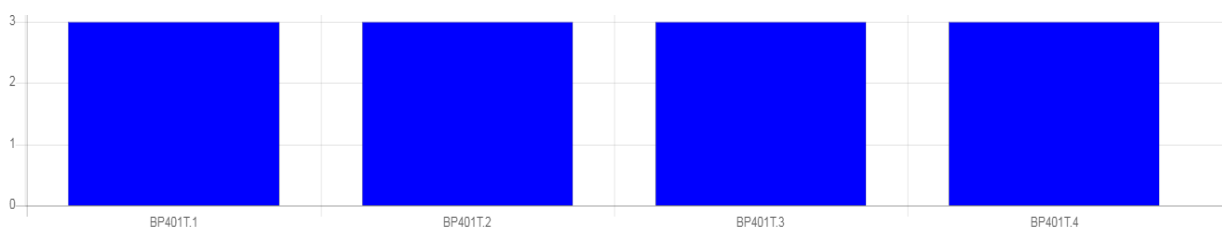


Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

Pharmaceutical Organic Chemistry III (BP401T) - Theory (2022-23) [Dr. Kishor Jain] [Saroja Adepawar]

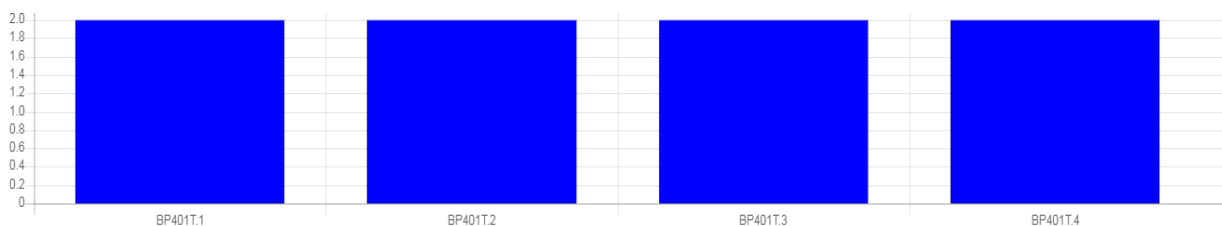
Internal Assessment

Title	Type	% Weightage	BP401T.1	BP401T.2	BP401T.3	BP401T.4
Internal Marks	Internal	25	0.75	0.75	0.75	0.75
Percent course outcome weightage			25.00	25.00	25.00	25.00
Attainment as per percent weightage			0.75	0.75	0.75	0.75
Final attainment			3	3	3	3



External Assessment

Title	Type	% Weightage	BP401T.1	BP401T.2	BP401T.3	BP401T.4
EXternal Marks	External	75	1.50	1.50	1.50	1.50
Percent course outcome weightage			75.00	75.00	75.00	75.00
Attainment as per percent weightage			1.5	1.5	1.5	1.5
Final attainment			2	2	2	2

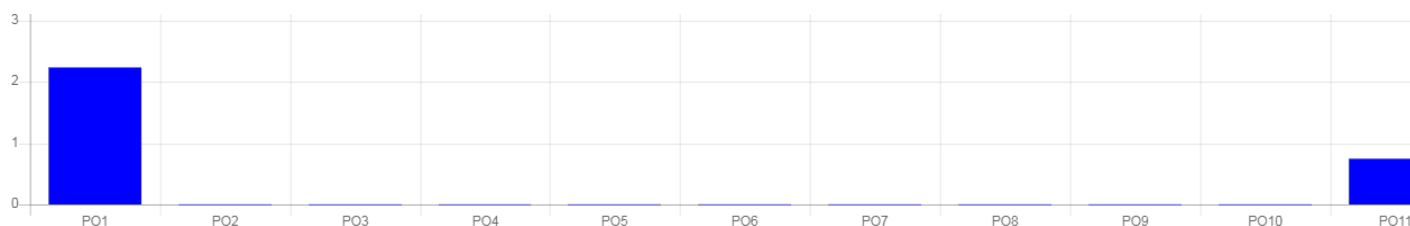


Direct Total Attainment

Course Outcome	Internal	External
BP401T.1	3.00	2.00
BP401T.2	3.00	2.00
BP401T.3	3.00	2.00
BP401T.4	3.00	2.00
Average	3.00	2.00
Weightage	25	75
Direct Total Attainment	0.75	1.50
Final Direct Course Attainment	2.25	

Final Attainment

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
Final Attainment	2.25										0.75
Percentage	75.00										25.00



Saroja Adepawar



Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

B. Pharmacy [2022-23]

Course Outcome

Year : Second Year - Sem 4

Subject : Medicinal Chemistry I (BP402T)(Theory | Regular)

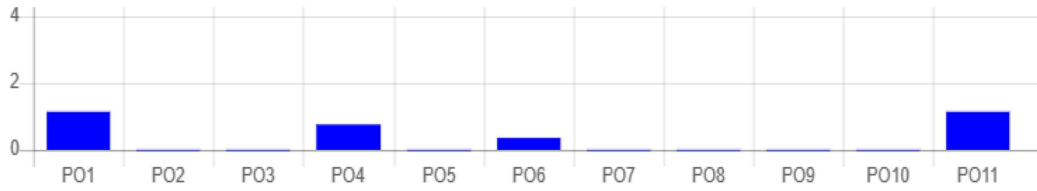
Course Code : BP402T

Sr. No.	CO Id	Course Outcome	PO/PSO	Cognitive Levels	Knowledge Categories
1	BP402T.1	Understand the chemistry of drugs with respect to their pharmacological activity.	PO1, PO4, PO11	Remember, Understand	Factual, Conceptual
2	BP402T.2	Understand the drug metabolic pathways, adverse effect and therapeutic value of Drugs.	PO1, PO4, PO11	Remember, Understand	Factual, Conceptual
3	BP402T.3	Know the Structural Activity Relationship (SAR) of different class of drugs.	PO1, PO4, PO11	Remember, Understand	Factual, Conceptual
4	BP402T.4	Write the chemical synthesis of some drugs.	PO1, PO4, PO11	Remember, Understand	Factual, Conceptual, Fundamental Design Principles, Practical Constraints, Factual
5	BP402T.5	Understand the History and development of medicinal chemistry	PO1, PO11	Remember, Understand	Factual, Conceptual
6	BP402T.6	Explain physicochemical properties and pharmacokinetics affecting drug action.	PO1, PO6, PO11	Remember, Understand	Factual, Conceptual
7	BP402T.7	Classify certain therapeutic agents and outline the synthetic route for the selective medicinal compounds of sympathetic, parasympathetic and Central nervous system.	PO1, PO11	Remember, Understand	Factual, Conceptual
8	BP402T.8	Explain the structural activity relationship of certain therapeutic agents with their uses, adverse effects and recent developments.	PO1, PO4, PO6, PO11	Remember, Understand	Factual, Conceptual



BP402T.6	3				1					3
BP402T.7	3									3
BP402T.8	3		2		1					3
Average	3.00		2.00		1.00					3.00

Desired Attainment Average : 2.25



J. H. G.



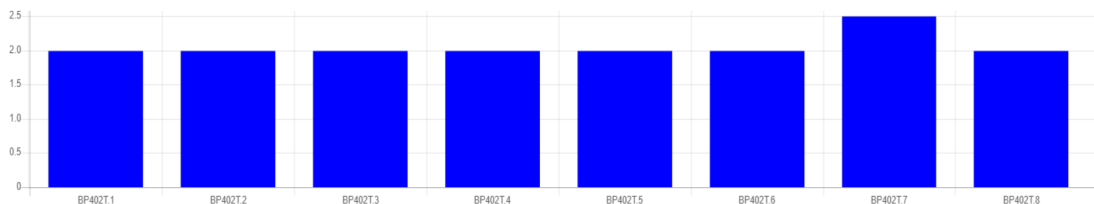


Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

Medicinal Chemistry I (BP402T) - Theory (2022-23) [Dr. Kishor Jain] [Shruti Hagawane]

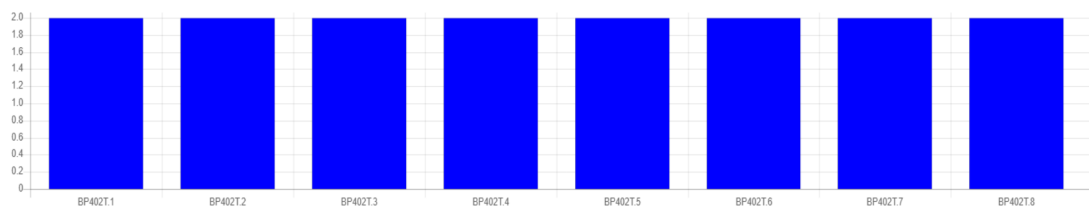
Internal Assessment

Title	Type	% Weightage	BP402T.1	BP402T.2	BP402T.3	BP402T.4	BP402T.5	BP402T.6	BP402T.7	BP402T.8
Internal Sessional-1 Examination	Internal	30	0.60	0.60	0.60	0.60	0.60	0.60	0.90	0.60
Internal Sessional -2 Examination	Internal	30	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60
Percent course outcome weightage			60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00
Attainment as per percent weightage			1.20	1.20	1.20	1.20	1.20	1.20	1.50	1.20
Final attainment			2	2	2	2	2	2	2.5	2



External Assessment

Title	Type	% Weightage	BP402T.1	BP402T.2	BP402T.3	BP402T.4	BP402T.5	BP402T.6	BP402T.7	BP402T.8
External marks	External	75	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
Percent course outcome weightage			75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00
Attainment as per percent weightage			1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
Final attainment			2	2	2	2	2	2	2	2

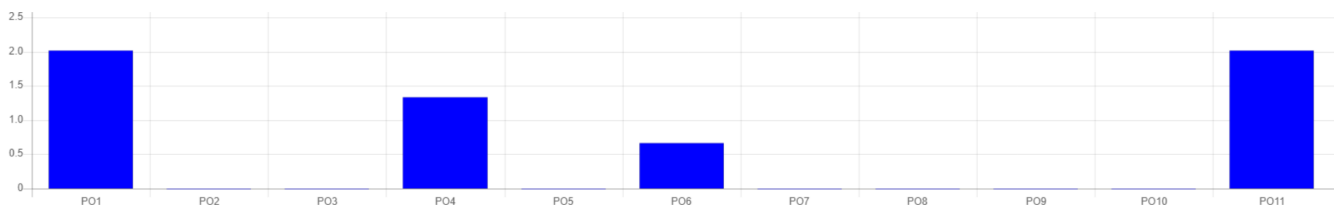


Direct Total Attainment

Course Outcome	Internal	External
BP402T.1	2.00	2.00
BP402T.2	2.00	2.00
BP402T.3	2.00	2.00
BP402T.4	2.00	2.00
BP402T.5	2.00	2.00
BP402T.6	2.00	2.00
BP402T.7	2.50	2.00
BP402T.8	2.00	2.00
Average	2.06	2.00
Weightage	25	75
Direct Total Attainment	0.52	1.50
Final Direct Course Attainment	2.02	

Final Attainment

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
Final Attainment	2.02			1.34		0.67					2.02
Percentage	67.33			44.67		22.33					67.33





**Rajmata Jijau Shikshan Prasarak Mandal's College of
Pharmacy, Dudulgaon, Pune**
B. Pharmacy [2022-23]

Course Outcome

Year : Second Year - Sem 4

Subject : Physical Pharmaceutics II (BP403T)(Theory | Regular)

Course Code : (BP403T)

Sr. No.	CO Id	Course Outcome	PO/PSO	Cognitive Levels	Knowledge Categories
1	BP403T.1	Understand various physicochemical properties of drug & excipient molecules in designing the dosage form	PO1	Remember, Understand, Apply, Create	Conceptual, Fundamental Design Principles, Practical Constraints
2	BP403T.2	Describe the flow behavior of fluids and the concept of thixotropy in pharmaceutical formulations	PO1, PO3	Remember, Understand, Apply, Evaluate, Create	Criteria & Specifications, Practical Constraints
3	BP403T.3	Distinguish the principles of chemical kinetics & to use them for stability testing and determination of expiry date of formulations	PO1, PO3	Remember, Understand, Apply, Evaluate, Create	Factual, Procedural, Fundamental Design Principles, Practical Constraints
4	BP403T.4	Understand the fundamentals of chemical kinetics and stability of the drugs under accelerated conditions.	PO1, PO2, PO3, PO10	Remember, Understand, Apply, Evaluate	Conceptual, Fundamental Design Principles, Criteria & Specifications, Practical Constraints
5	BP403T.5	Know the behavior and mechanism of drugs and excipients in the formulation development and evaluation of dosage forms.	PO1, PO2	Apply, Evaluate	Factual, Procedural, Practical Constraints
6	BP403T.6	Determine the concept of micromeritics along with methods & its applications.	PO1, PO3	Analyse, Evaluate	Criteria & Specifications





Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

B. Pharmacy [2022-23]

CO PO Desired Mapping Report

Year : Second Year - Sem 4

Subject : Physical Pharmaceutics II (BP403T) - Theory

Faculty : Mr. Omkar Haribhau Kolhe

Course Code : (BP403T)

Course Outcome Details

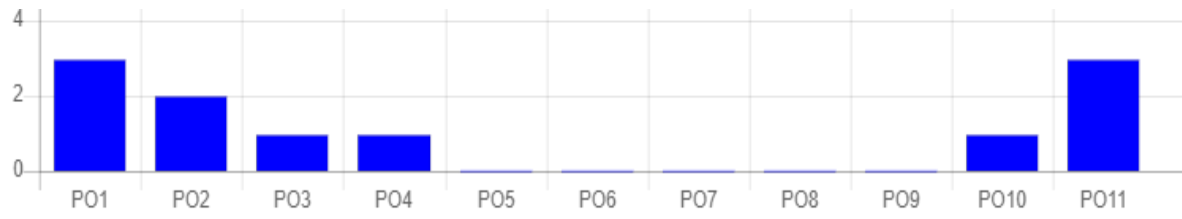
#	Course Outcome	Description
1	BP403T.1	Understand various physicochemical properties of drug & excipient molecules in designing the dosage form
2	BP403T.2	Describe the flow behavior of fluids and the concept of thixotropy in pharmaceutical formulations
3	BP403T.3	Distinguish the principles of chemical kinetics & to use them for stability testing and determination of expiry date of formulations
4	BP403T.4	Understand the fundamentals of chemical kinetics and stability of the drugs under accelerated conditions.
5	BP403T.5	Know the behavior and mechanism of drugs and excipients in the formulation development and evaluation of dosage forms.
6	BP403T.6	Determine the concept of micromeritics along with methods & its applications.

Desired Attainment Details

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BP403T.1	3										
BP403T.2	3			1							3
BP403T.3	3										3
BP403T.4	3	2	1							1	
BP403T.5	3	2									
BP403T.6	3			1							

Average	3.00	2.00	1.00	1.00						1.00	3.00
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Desired Attainment Average : 1.83



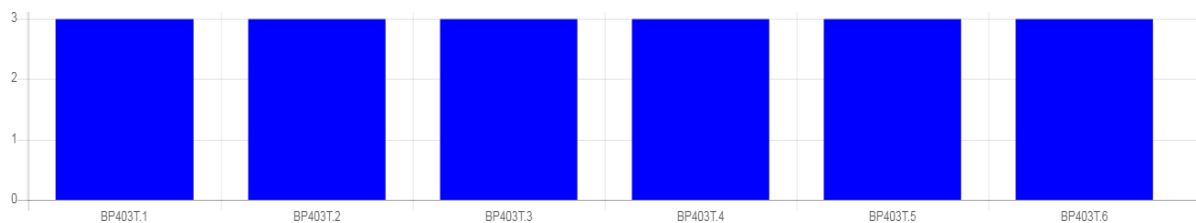


Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

Physical Pharmaceutics II (BP403T) - Theory (2022-23) [Mr. Omkar Haribhau Kolhe]

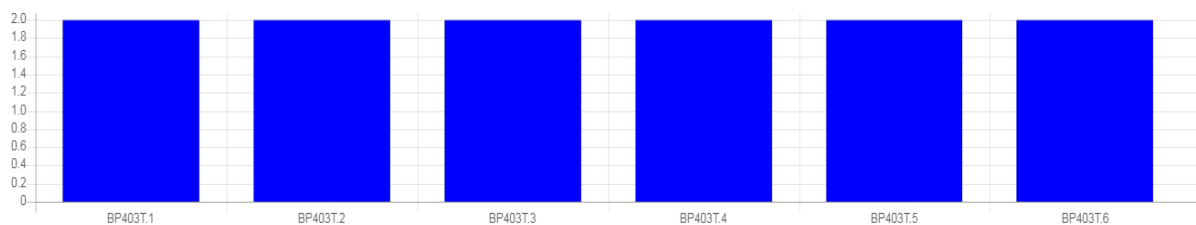
Internal Assessment

Title	Type	% Weightage	BP403T.1	BP403T.2	BP403T.3	BP403T.4	BP403T.5	BP403T.6
Internal Marks	Internal	25	0.75	0.75	0.75	0.75	0.75	0.75
Percent course outcome weightage			25.00	25.00	25.00	25.00	25.00	25.00
Attainment as per percent weightage			0.75	0.75	0.75	0.75	0.75	0.75
Final attainment			3	3	3	3	3	3



External Assessment

Title	Type	% Weightage	BP403T.1	BP403T.2	BP403T.3	BP403T.4	BP403T.5	BP403T.6
External	External	75	1.50	1.50	1.50	1.50	1.50	1.50
Percent course outcome weightage			75.00	75.00	75.00	75.00	75.00	75.00
Attainment as per percent weightage			1.5	1.5	1.5	1.5	1.5	1.5
Final attainment			2	2	2	2	2	2

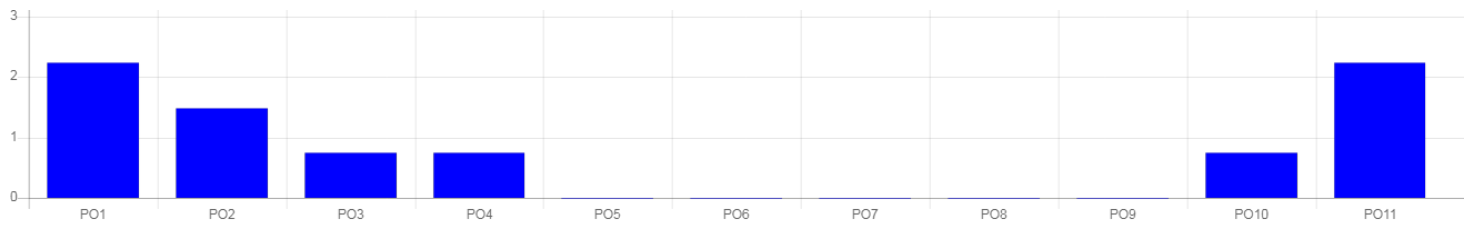


Direct Total Attainment

Course Outcome	Internal	External
BP403T.1	3.00	2.00
BP403T.2	3.00	2.00
BP403T.3	3.00	2.00
BP403T.4	3.00	2.00
BP403T.5	3.00	2.00
BP403T.6	3.00	2.00
Average	3.00	2.00
Weightage	25	75
Direct Total Attainment	0.75	1.50
Final Direct Course Attainment	2.25	

Final Attainment

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
Final Attainment	2.25	1.50	0.75	0.75						0.75	2.25
Percentage	75.00	50.00	25.00	25.00						25.00	75.00





Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

B. Pharmacy [2022-23]

Course Outcome

Year : Second Year - Sem 4

Subject : Pharmacology I (BP404T)(Theory | Regular)

Course Code : BP404T

Sr. No.	CO Id	Course Outcome	PO/PSO	Cognitive Levels	Knowledge Categories
1	BP404T.1	Know basics of Pharmacology like history, scope and general principles.	PO1, PO9, PO11	Remember, Understand, Apply	Factual, Conceptual, Meta-cognitive
2	BP404T.2	Explain the mechanism of drug action at organ system/sub cellular/ macromolecular levels	PO1, PO6, PO9, PO11	Remember, Understand, Apply	Factual, Conceptual, Fundamental Design Principles
3	BP404T.3	Know basics of Peripheral nervous system and pharmacology of drugs acting on PNS.	PO1, PO7, PO9, PO11	Remember, Understand, Apply	Factual, Conceptual, Meta-cognitive
4	BP404T.4	Know basics of Central nervous system and pharmacology of drugs acting on CNS.	PO1, PO9, PO11	Remember, Understand, Apply	Factual, Conceptual, Meta-cognitive
5	BP404T.5	Know the basics pharmacology of drugs acting on CNS and action of drugs in treatment of diseases.	PO1, PO6, PO7, PO8, PO9, PO11	Remember, Understand, Apply, Evaluate	Factual, Conceptual, Procedural, Criteria & Specifications

Shakila



Shakila



Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune
B. Pharmacy [2022-23]

CO PO Desired Mapping Report

Year : Second Year - Sem 4

Subject : Pharmacology I (BP404T) - Theory

Faculty : Prof. Shakila Shabbeer Shaikh, Sayali Kathale

Course Code : BP404T

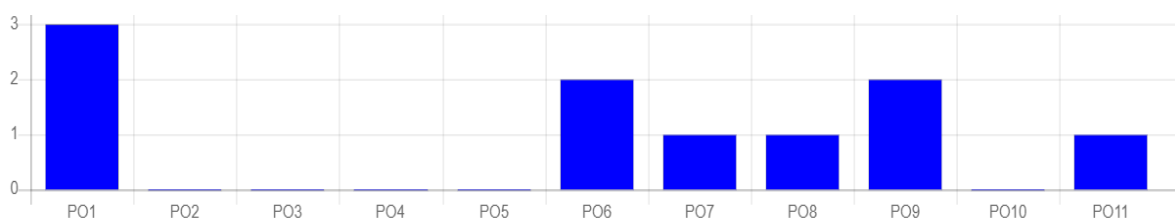
Course Outcome Details

#	Course Outcome	Description
1	BP404T.1	Know basics of Pharmacology like history, scope and general principles.
2	BP404T.2	Explain the mechanism of drug action at organ system/sub cellular/ macromolecular levels
3	BP404T.3	Know basics of Peripheral nervous system and pharmacology of drugs acting on PNS.
4	BP404T.4	Know basics of Central nervous system and pharmacology of drugs acting on CNS.
5	BP404T.5	Know the basics pharmacology of drugs acting on CNS and action of drugs in treatment of diseases.

Desired Attainment Details

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BP404T.1	3								2		1
BP404T.2	3					2			2		1
BP404T.3	3						1		2		1
BP404T.4	3								2		1
BP404T.5	3					2	1	1	2		1
Average	3.00					2.00	1.00	1.00	2.00		1.00

Desired Attainment Average : 1.67



Shakila

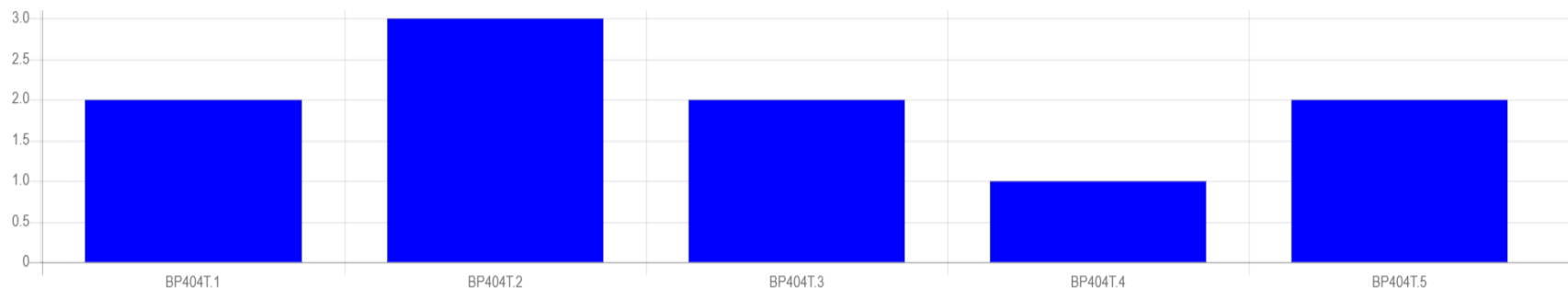


Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

Pharmacology I (BP404T) - Theory (2022-23) [Prof. Shakila Shabbeer Shaikh] [Sayali Kathale]

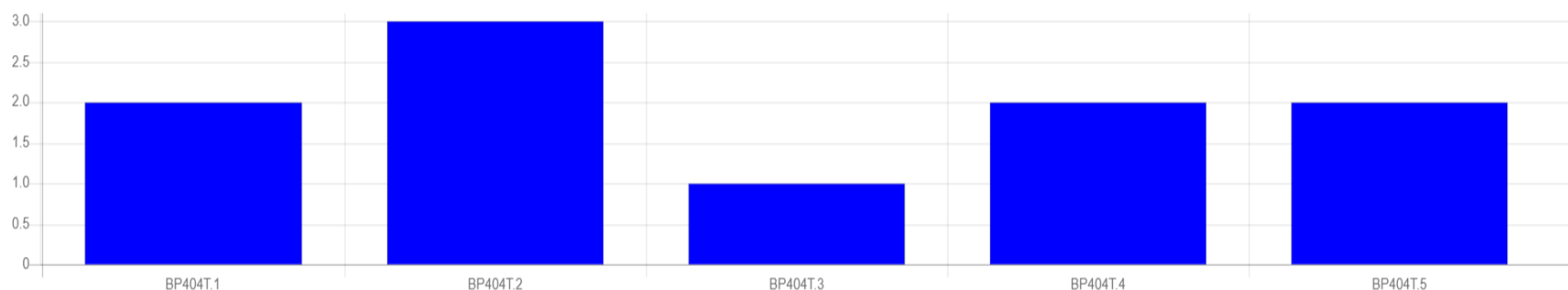
Internal Assessment

Title	Type	% Weightage	BP404T.1	BP404T.2	BP404T.3	BP404T.4	BP404T.5
Student teacher interaction	Internal	0	0.00	0.00	0.00	0.00	0.00
Internal Marks	Internal	25	0.50	0.75	0.50	0.25	0.50
Percent course outcome weightage			25.00	25.00	25.00	25.00	25.00
Attainment as per percent weightage			0.50	0.75	0.50	0.25	0.50
Final attainment			2	3	2	1	2



External Assessment

Title	Type	% Weightage	BP404T.1	BP404T.2	BP404T.3	BP404T.4	BP404T.5
External Theory Exam	External	75	1.50	2.25	0.75	1.50	1.50
Percent course outcome weightage			75.00	75.00	75.00	75.00	75.00
Attainment as per percent weightage			1.5	2.25	0.75	1.5	1.5
Final attainment			2	3	1	2	2

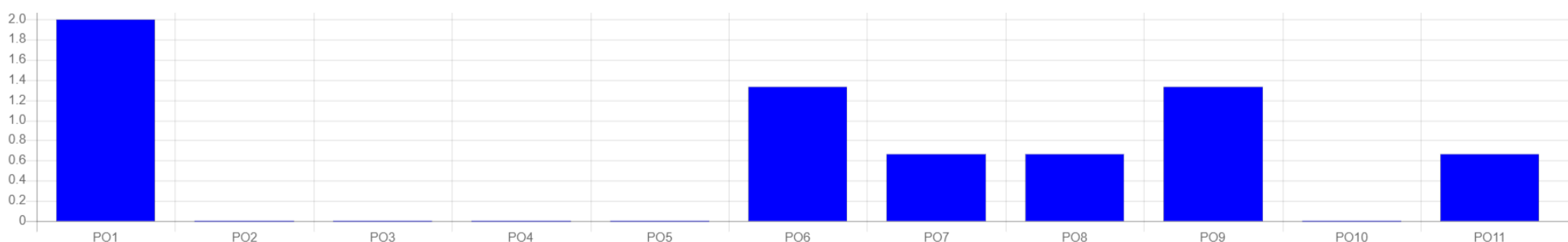


Direct Total Attainment

Course Outcome	Internal	External
BP404T.1	2.00	2.00
BP404T.2	3.00	3.00
BP404T.3	2.00	1.00
BP404T.4	1.00	2.00
BP404T.5	2.00	2.00
Average	2.00	2.00
Weightage	25	75
Direct Total Attainment	0.50	1.50
Final Direct Course Attainment	2.00	

Final Attainment

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
Final Attainment	2.00					1.33	0.67	0.67	1.33		0.67
Percentage	66.67					44.33	22.33	22.33	44.33		22.33



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Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

B. Pharmacy [2022-23]

Course Outcome

Year : Second Year - Sem 4

Subject : Pharmacognosy and Phytochemistry I (BP405T)(Theory | Regular)

Course Code : BP405T

Sr. No.	CO Id	Course Outcome	PO/PSO	Cognitive Levels	Knowledge Categories
1	BP405T.1	know the techniques in the cultivation and production of crude drugs	PO1	Remember, Understand	Factual, Conceptual, Fundamental Design Principles
2	BP405T.2	know the crude drugs, their uses and chemical nature	PO1	Remember, Understand	Factual, Conceptual
3	BP405T.3	know the evaluation techniques for the herbal drugs	PO1, PO3, PO4	Understand, Apply, Analyse, Evaluate	Procedural, Meta-cognitive, Practical Constraints
4	BP405T.4	carry out the microscopic and morphological evaluation of crude drugs	PO1, PO2, PO3, PO4	Remember, Understand, Apply, Analyse, Evaluate	Factual, Conceptual, Procedural, Fundamental Design Principles, Practical Constraints
5	BP405T.5	Understand the concept of plant tissue culture and its applications in pharmacognosy	PO1, PO3	Remember, Understand, Analyse, Create	Factual, Conceptual, Procedural, Fundamental Design Principles, Criteria & Specifications
6	BP405T.6	Understand the classification of crude drugs, its sources and scope of Pharmacognosy	PO1	Remember, Understand	Factual, Conceptual



J. Sohumal



Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

B. Pharmacy [2022-23]

CO PO Desired Mapping Report

Year : Second Year - Sem 4

Subject : Pharmacognosy and Phytochemistry I (BP405T) - Theory

Faculty : Jeevan Dhupal

Course Code : BP405T

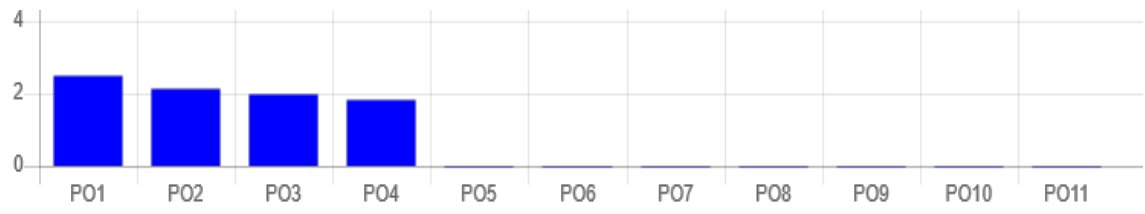
Course Outcome Details

#	Course Outcome	Description
1	BP405T.1	know the techniques in the cultivation and production of crude drugs
2	BP405T.2	know the crude drugs, their uses and chemical nature
3	BP405T.3	know the evaluation techniques for the herbal drugs
4	BP405T.4	carry out the microscopic and morphological evaluation of crude drugs
5	BP405T.5	Understand the concept of plant tissue culture and its applications in pharmacognosy
6	BP405T.6	Understand the classification of crude drugs, its sources and scope of Pharmacognosy

Desired Attainment Details

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BP405T.1	2	2	2	1							
BP405T.2	3	2	1	2							
BP405T.3	3	3	3	2							
BP405T.4	3	2	2	2							
BP405T.5	2	2	2	2							
BP405T.6	2	2	2	2							
Average	2.50	2.17	2.00	1.83							

Desired Attainment Average : 2.13



J. Sohumal



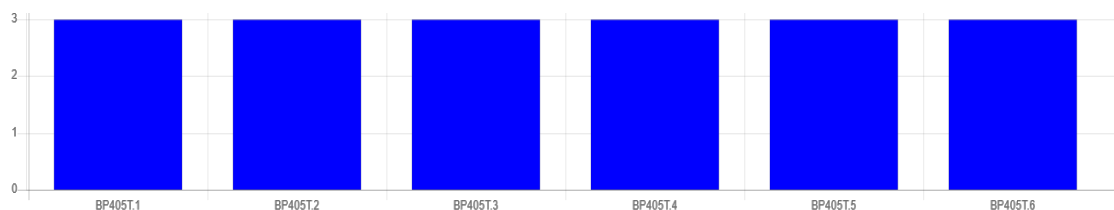


Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

Pharmacognosy and Phytochemistry I (BP405T) - Theory (2022-23) [Jeevan Dhupal]

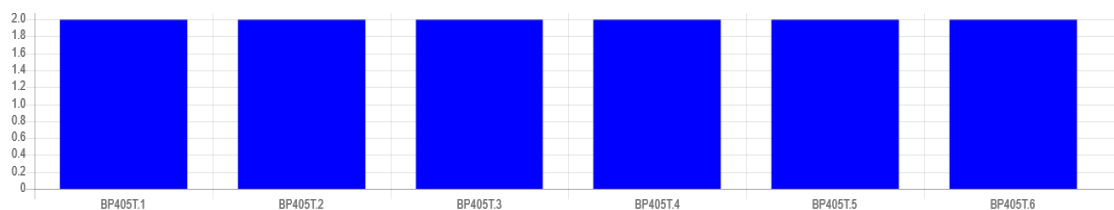
Internal Assessment

Title	Type	% Weightage	BP405T.1	BP405T.2	BP405T.3	BP405T.4	BP405T.5	BP405T.6
Internal	Internal	25	0.75	0.75	0.75	0.75	0.75	0.75
Percent course outcome weightage			25.00	25.00	25.00	25.00	25.00	25.00
Attainment as per percent weightage			0.75	0.75	0.75	0.75	0.75	0.75
Final attainment			3	3	3	3	3	3



External Assessment

Title	Type	% Weightage	BP405T.1	BP405T.2	BP405T.3	BP405T.4	BP405T.5	BP405T.6
External	External	75	1.50	1.50	1.50	1.50	1.50	1.50
Percent course outcome weightage			75.00	75.00	75.00	75.00	75.00	75.00
Attainment as per percent weightage			1.5	1.5	1.5	1.5	1.5	1.5
Final attainment			2	2	2	2	2	2

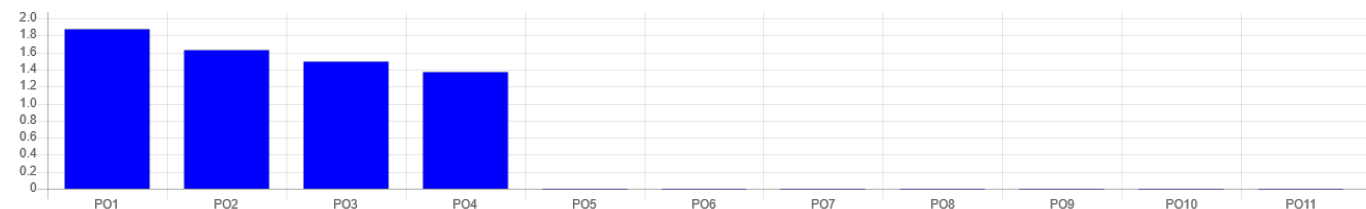


Direct Total Attainment

Course Outcome	Internal	External
BP405T.1	3.00	2.00
BP405T.2	3.00	2.00
BP405T.3	3.00	2.00
BP405T.4	3.00	2.00
BP405T.5	3.00	2.00
BP405T.6	3.00	2.00
Average	3.00	2.00
Weightage	25	75
Direct Total Attainment	0.75	1.50
Final Direct Course Attainment	2.25	

Final Attainment

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
Final Attainment	1.88	1.63	1.50	1.37							
Percentage	62.67	54.33	50.00	45.67							





Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

B. Pharmacy [2022-23]

Course Outcome

Year : Second Year - Sem 4

Subject : Medicinal Chemistry I (BP406P)(Practical I Regular)

Course Code : BP406P

Sr. No.	CO Id	Course Outcome	PO/PSO	Cognitive Levels	Knowledge Categories
1	BP406P.1	Study the different purification techniques including Recrystallization, TLC.	PO1	Remember, Apply, Analyse	Conceptual, Procedural, Practical Constraints
2	BP406P.2	Prepare small organic compounds / drugs / drug intermediates.	PO1	Remember, Apply, Analyse	Conceptual, Procedural, Practical Constraints
3	BP406P.3	Perform purification of synthesized compounds by Column chromatography.	PO1	Remember, Apply, Analyse	Conceptual, Procedural, Practical Constraints
4	BP406P.4	Determine the Partition coefficient and Ionisation constants.	PO1	Remember, Apply, Analyse	Conceptual, Procedural, Practical Constraints





Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

B. Pharmacy [2022-23]

CO PO Desired Mapping Report

Year : Second Year - Sem 4

Subject : Medicinal Chemistry I (BP406P) - Practical

Faculty : Prof. Prasad Vasant Rane, Madhuri Narode

Course Code : BP406P

Course Outcome Details

#	Course Outcome	Description
1	BP406P.1	Study the different purification techniques including Recrystallization, TLC.
2	BP406P.2	Prepare small organic compounds / drugs / drug intermediates.
3	BP406P.3	Perform purification of synthesized compounds by Column chromatography.
4	BP406P.4	Determine the Partition coefficient and Ionisation constants.

Desired Attainment Details

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BP406P.1	3										
BP406P.2	3										
BP406P.3	3										
BP406P.4	3										
Average	3.00										

Desired Attainment Average : 3.00





Rajmata Jijam Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

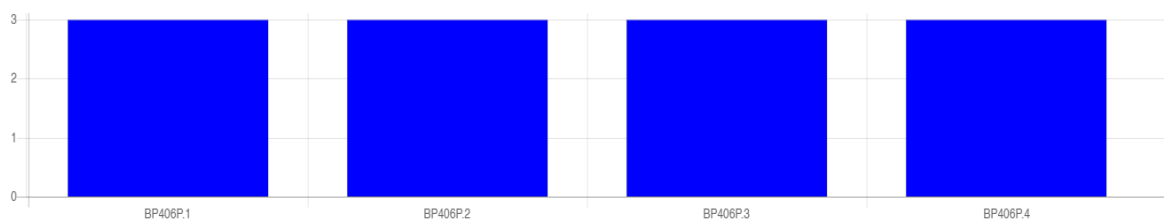
Medicinal Chemistry I (BP406P) - Practical (2022-23) [Prof. Prasad Vasant Rane] [Prof. Prasad Vasant Rane] [Madhuri Narode] [Prof. Prasad Vasant Rane]

Internal Assessment

Batch [Batch A, Batch B, Batch C] Internal Assessment	Type	% Weightage	BP406P.1	BP406P.2	BP406P.3	BP406P.4
Internal exam [Batch A, Batch B, Batch C]	Internal	25	0.75	0.75	0.75	0.75
Percent course outcome weightage			25.00	25.00	25.00	25.00
Attainment as per percent weightage			0.75	0.75	0.75	0.75
Final Attainment			3	3	3	3

Internal Assessment Course Outcome Attainment Average

Course Outcome	BP406P.1	BP406P.2	BP406P.3	BP406P.4
Average	3.00	3.00	3.00	3.00

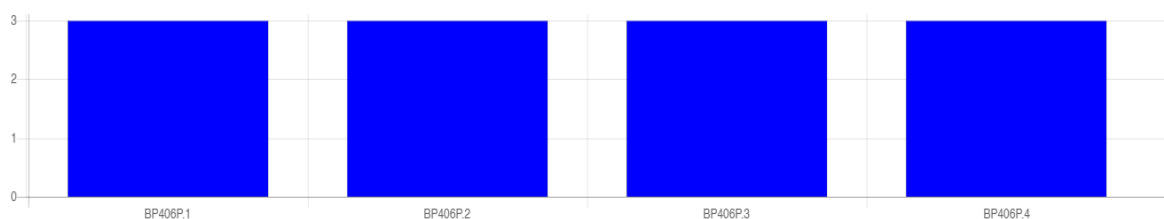


External Assessment

Batch [Batch A, Batch B, Batch C] External Assessment	Type	% Weightage	BP406P.1	BP406P.2	BP406P.3	BP406P.4
External Exam [Batch A, Batch B, Batch C]	External	75	2.25	2.25	2.25	2.25
Percent course outcome weightage			75.00	75.00	75.00	75.00
Attainment as per percent weightage			2.25	2.25	2.25	2.25
Final Attainment			3	3	3	3

External Assessment Course Outcome Attainment Average

Course Outcome	BP406P.1	BP406P.2	BP406P.3	BP406P.4
Average	3.00	3.00	3.00	3.00

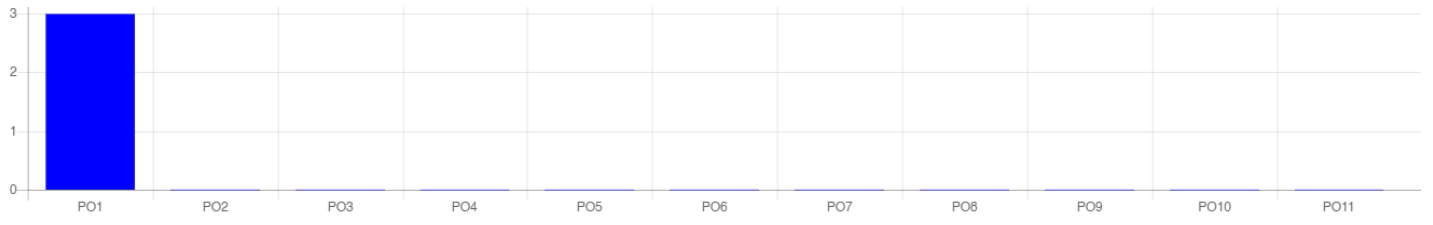


Direct Total Attainment

Course Outcome	Internal	External
BP406P.1	3.00	3.00
BP406P.2	3.00	3.00
BP406P.3	3.00	3.00
BP406P.4	3.00	3.00
Average	3.00	3.00
Weightage	25	75
Direct Total Attainment	0.75	2.25
Final Direct Course Attainment	3.00	

Final Attainment

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
Final Attainment	3.00										
Percentage	100.00										



1

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Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

B. Pharmacy [2022-23]

Course Outcome

Year : Second Year - Sem 4

Subject : *Physical Pharmaceutics-II (BP407P)(Practical | Regular)

Course Code : BP407P

Sr. No.	CO Id	Course Outcome	PO/PSO	Cognitive Levels	Knowledge Categories
1	BP407P.1	Determine the particle size, particle size distribution by various meyhods.	PO1, PO3, PO11	Understand, Evaluate, Create	Procedural, Meta-cognitive, Practical Constraints
2	BP407P.2	Evaluate bulk density, true density, porosity, the angle of repose of powder & study the influence of lubricant on angle of repose..	PO1, PO3, PO11	Understand, Apply, Analyse, Evaluate, Create	Procedural, Fundamental Design Principles, Practical Constraints
3	BP407P.3	Determine the viscosity of liquids by using different viscometer.	PO1, PO3, PO11	Understand, Apply, Analyse, Evaluate	Procedural, Practical Constraints
4	BP407P.4	Evaluate sedimentation volume of suspension.	PO1, PO3, PO11	Understand, Apply, Analyse, Evaluate	Procedural, Practical Constraints
5	BP407P.5	Calculate energy of activation of acid hydrolysis, order of given reaction, relative strength of two acids.	PO1, PO3, PO11	Understand, Analyse, Evaluate	Procedural, Practical Constraints

R. Gaikwad



S. S. S.



Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

B. Pharmacy [2022-23]

CO PO Desired Mapping Report

Year : Second Year - Sem 4

Subject : *Physical Pharmaceutics-II (BP407P) - Practical

Faculty : Rajnigandha Gaikwad, Prof. Amol Kumbhar

Course Code : BP407P

Course Outcome Details

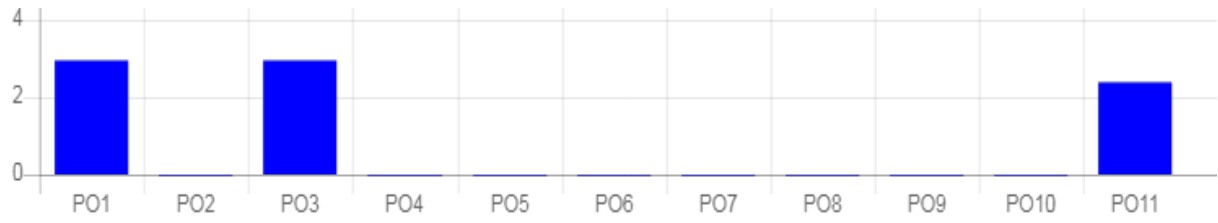
#	Course Outcome	Description
1	BP407P.1	Determine the particle size, particle size distribution by various methods.
2	BP407P.2	Evaluate bulk density, true density, porosity, the angle of repose of powder & study the influence of lubricant on angle of repose..
3	BP407P.3	Determine the viscosity of liquids by using different viscometer.
4	BP407P.4	Evaluate sedimentation volume of suspension.
5	BP407P.5	Calculate energy of activation of acid hydrolysis, order of given reaction, relative strength of two acids.

Desired Attainment Details

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BP407P.1	3		3								3
BP407P.2	3		3								2
BP407P.3	3		3								2
BP407P.4	3		3								2
BP407P.5	3		3								3
Average	3.00		3.00								2.40

R. Gaikwad

Desired Attainment Average : 2.80



R Gaikwad





Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

*Physical Pharmaceutics-II (BP407P) - Practical (2022-23) [Rajnigandha Gaikwad] [Rajnigandha Gaikwad] [Prof.amol Kumbhar]

Internal Assessment

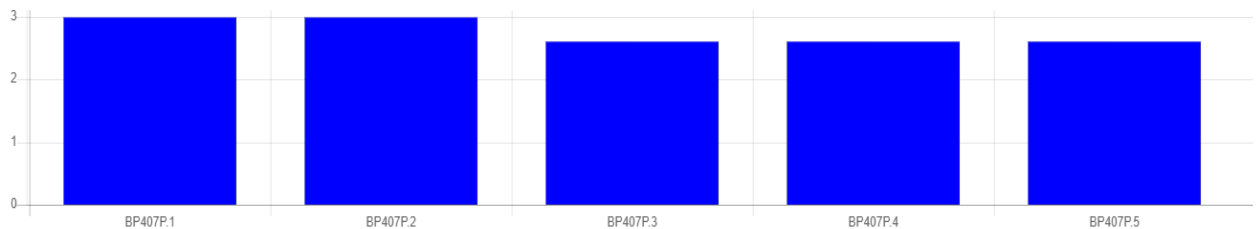
Batch [Batch A] Internal Assessment	Type	% Weightage	BP407P.1	BP407P.2	BP407P.3	BP407P.4	BP407P.5
Internal Marks [Batch A]	Internal	30	0.90	0.90	0.60	0.60	0.60
Percent course outcome weightage			30.00	30.00	30.00	30.00	30.00
Attainment as per percent weightage			0.9	0.9	0.6	0.6	0.6
Final Attainment			3	3	2	2	2

Batch [Batch B] Internal Assessment	Type	% Weightage	BP407P.1	BP407P.2	BP407P.3	BP407P.4	BP407P.5
Attendance [Batch B]	Internal	100	3.00	3.00	3.00	3.00	3.00
Internal Marks [Batch B]	Internal	15	0.45	0.45	0.30	0.30	0.30
Percent course outcome weightage			115.00	115.00	115.00	115.00	115.00
Attainment as per percent weightage			3.45	3.45	3.3	3.3	3.3
Final Attainment			3	3	2.87	2.87	2.87

Batch [Batch C] Internal Assessment	Type	% Weightage	BP407P.1	BP407P.2	BP407P.3	BP407P.4	BP407P.5
JOURNAL [Batch C]	Internal	10	0.30	0.30	0.30	0.30	0.30
ATTENDANCE [Batch C]	Internal	2	0.06	0.06	0.06	0.06	0.06
Percent course outcome weightage			12.00	12.00	12.00	12.00	12.00
Attainment as per percent weightage			0.36	0.36	0.36	0.36	0.36
Final Attainment			3	3	3	3	3

Internal Assessment Course Outcome Attainment Average

Course Outcome	BP407P.1	BP407P.2	BP407P.3	BP407P.4	BP407P.5
Average	3.00	3.00	2.62	2.62	2.62



External Assessment

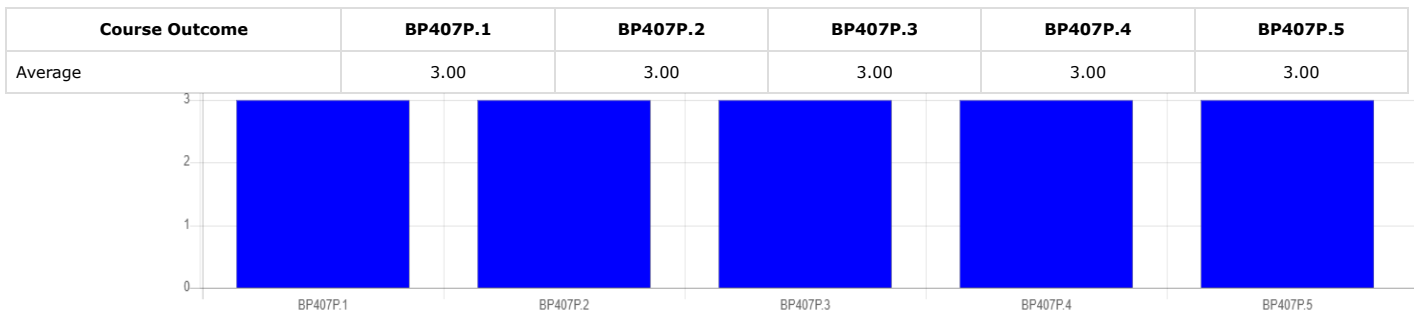
Batch [Batch A] External Assessment	Type	% Weightage	BP407P.1	BP407P.2	BP407P.3	BP407P.4	BP407P.5
Percent course outcome weightage							
Attainment as per percent weightage							
Final Attainment							

Batch [Batch B] External Assessment	Type	% Weightage	BP407P.1	BP407P.2	BP407P.3	BP407P.4	BP407P.5
Percent course outcome weightage							
Attainment as per percent weightage							
Final Attainment							

Batch [Batch C] External Assessment	Type	% Weightage	BP407P.1	BP407P.2	BP407P.3	BP407P.4	BP407P.5
External [Batch C]	External	35	1.05	1.05	1.05	1.05	1.05
Percent course outcome weightage			35.00	35.00	35.00	35.00	35.00
Attainment as per percent weightage			1.05	1.05	1.05	1.05	1.05
Final Attainment			3	3	3	3	3

External Assessment Course Outcome Attainment Average

R. Gaikwad

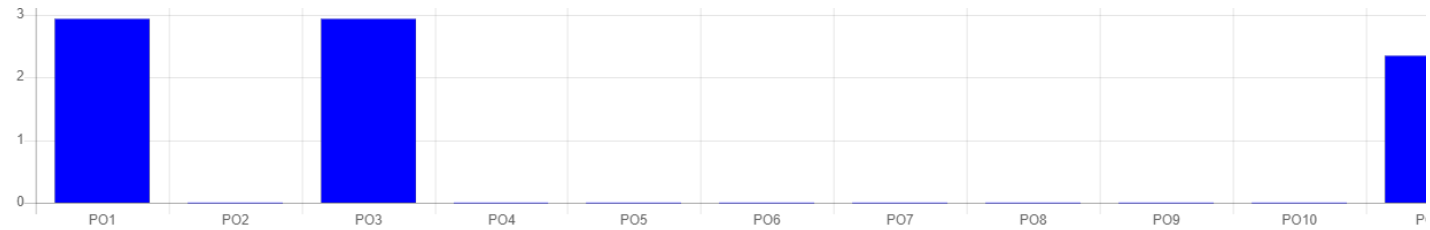


Direct Total Attainment

Course Outcome	Internal	External
BP407P.1	3.00	3.00
BP407P.2	3.00	3.00
BP407P.3	2.62	3.00
BP407P.4	2.62	3.00
BP407P.5	2.62	3.00
Average	2.77	3.00
Weightage	25	75
Direct Total Attainment	0.69	2.25
Final Direct Course Attainment	2.94	

Final Attainment

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
Final Attainment	2.94		2.94								2.35
Percentage	98.00		98.00								78.33



R Gaikwad



Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

B. Pharmacy [2022-23]

Course Outcome

Year : Second Year - Sem 4

Subject : Pharmacology I (BP408P)(Practical | Regular)

Course Code : BP408P

Sr. No.	CO Id	Course Outcome	PO/PSO	Cognitive Levels	Knowledge Categories
1	BP408P.1	Understand the pharmacological actions of different categories of drugs	PO1, PO6, PO9, PO11	Remember, Understand, Apply, Analyse	Conceptual, Procedural, Meta-cognitive
2	BP408P.2	Observe the effect of drugs on animals by simulated experiments	PO1, PO6, PO9, PO11	Remember, Understand, Apply, Analyse	Factual, Conceptual, Procedural, Meta-cognitive
3	BP408P.3	Appreciate correlation of pharmacology with other bio medical sciences	PO1, PO6, PO9, PO11	Remember, Understand, Apply, Analyse	Conceptual, Procedural, Meta-cognitive, Fundamental Design Principles
4	BP408P.4	Get knowledge about pharmacology lab, eg. animals, instruments, animal handling skills etc...	PO1	Remember, Understand, Apply	Conceptual





Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

B. Pharmacy [2022-23]

CO PO Desired Mapping Report

Year : Second Year - Sem 4

Subject : Pharmacology I (BP408P) - Practical

Faculty : Mr. Omkar Haribhau Kolhe, Prof. Shakila Shabbeer Shaikh, Sayali Kathale

Course Code : BP408P

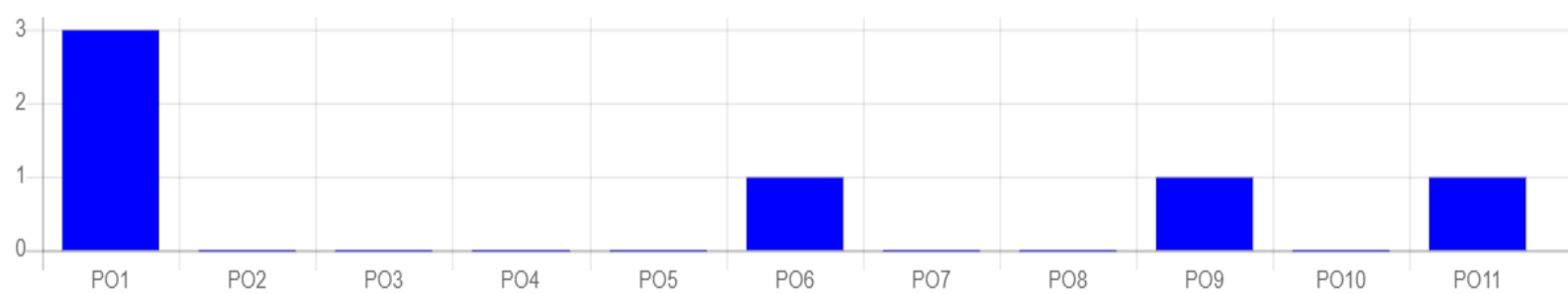
Course Outcome Details

#	Course Outcome	Description
1	BP408P.1	Understand the pharmacological actions of different categories of drugs
2	BP408P.2	Observe the effect of drugs on animals by simulated experiments
3	BP408P.3	Appreciate correlation of pharmacology with other bio medical sciences
4	BP408P.4	Get knowledge about pharmacology lab, eg. animals, instruments, animal handling skills etc...

Desired Attainment Details

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BP408P.1	3					1			1		1
BP408P.2	3					1			1		1
BP408P.3	3					1			1		1
BP408P.4	3										
Average	3.00					1.00			1.00		1.00

Desired Attainment Average : 1.50





Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

Pharmacology I (BP408P) - Practical (2022-23) [Mr. Omkar Haribhau Kolhe] [Prof. Shakila Shabbeer Shaikh] [Sayali Kathale] [Prof. Shakila Shabbeer Shaikh] [Sayali Kathale]

Internal Assessment

Batch [Batch A] Internal Assessment	Type	% Weightage	BP408P.1	BP408P.2	BP408P.3	BP408P.4
Internal Marks [Batch A]	Internal	30	0.90	0.90	0.90	0.90
Percent course outcome weightage			30.00	30.00	30.00	30.00
Attainment as per percent weightage			0.9	0.9	0.9	0.9
Final Attainment			3	3	3	3

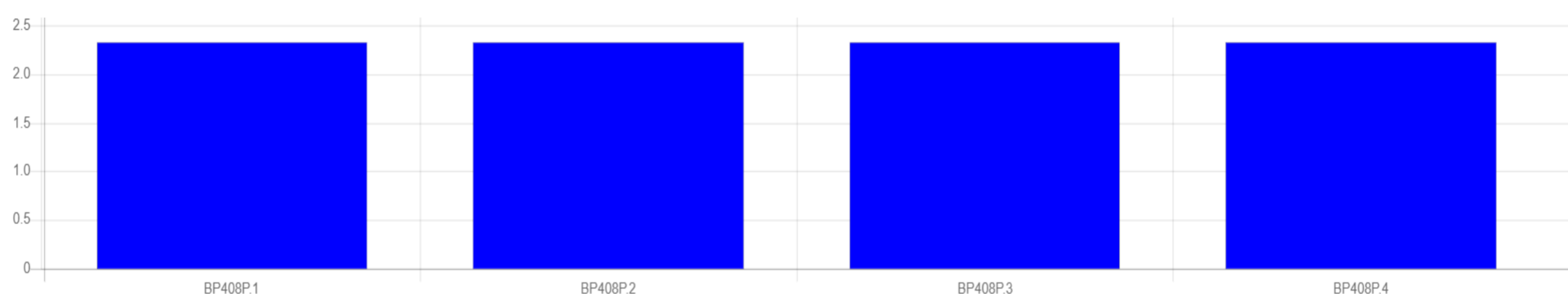
Batch [Batch B] Internal Assessment	Type	% Weightage	BP408P.1	BP408P.2	BP408P.3	BP408P.4
Internal Practical exam [Batch B]	Internal	30	0.60	0.60	0.60	0.60
Percent course outcome weightage			30.00	30.00	30.00	30.00
Attainment as per percent weightage			0.6	0.6	0.6	0.6
Final Attainment			2	2	2	2

Batch [Batch C] Internal Assessment	Type	% Weightage	BP408P.1	BP408P.2	BP408P.3	BP408P.4
Internal Practical Exam [Batch C]	Internal	30	0.60	0.60	0.60	0.60
Percent course outcome weightage			30.00	30.00	30.00	30.00
Attainment as per percent weightage			0.6	0.6	0.6	0.6
Final Attainment			2	2	2	2

Batch [Batch A, Batch B, Batch C] Internal Assessment	Type	% Weightage	BP408P.1	BP408P.2	BP408P.3	BP408P.4
Percent course outcome weightage						
Attainment as per percent weightage						
Final Attainment						

Internal Assessment Course Outcome Attainment Average

Course Outcome	BP408P.1	BP408P.2	BP408P.3	BP408P.4
Average	2.33	2.33	2.33	2.33



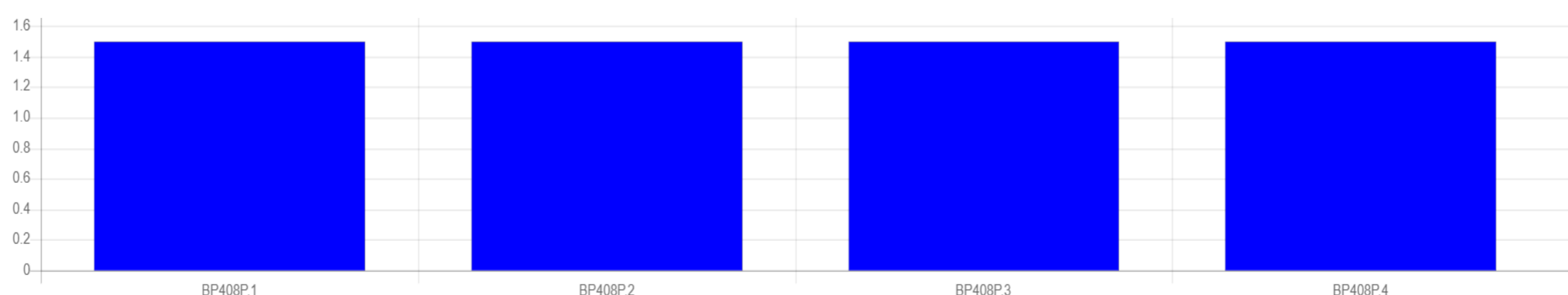
External Assessment

Batch [Batch B] External Assessment	Type	% Weightage	BP408P.1	BP408P.2	BP408P.3	BP408P.4
External Practical exam [Batch B]	External	70	0.70	0.70	0.70	0.70
Percent course outcome weightage			70.00	70.00	70.00	70.00
Attainment as per percent weightage			0.7	0.7	0.7	0.7
Final Attainment			1	1	1	1

Batch [Batch C] External Assessment	Type	% Weightage	BP408P.1	BP408P.2	BP408P.3	BP408P.4
External Practical Exam [Batch C]	External	70	1.40	1.40	1.40	1.40
Percent course outcome weightage			70.00	70.00	70.00	70.00
Attainment as per percent weightage			1.4	1.4	1.4	1.4
Final Attainment			2	2	2	2

External Assessment Course Outcome Attainment Average

Course Outcome	BP408P.1	BP408P.2	BP408P.3	BP408P.4
Average	1.50	1.50	1.50	1.50

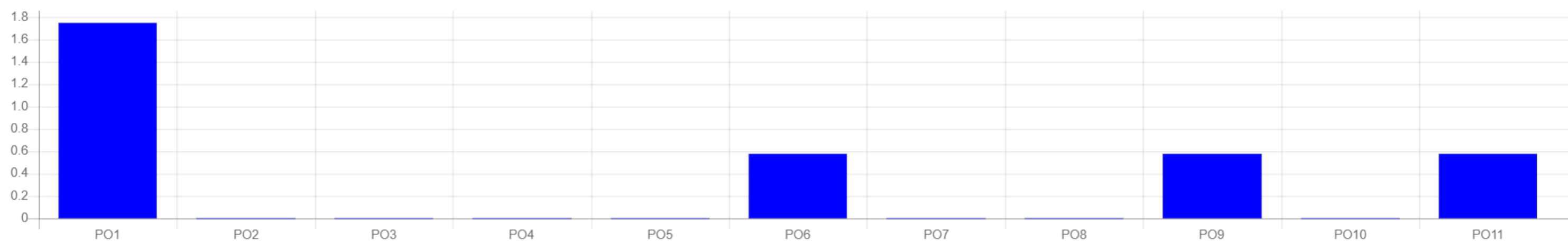


Direct Total Attainment

Course Outcome	Internal	External
BP408P.1	2.33	1.50
BP408P.2	2.33	1.50
BP408P.3	2.33	1.50
BP408P.4	2.33	1.50
Average	2.33	1.50
Weightage	30	70
Direct Total Attainment	0.70	1.05
Final Direct Course Attainment	1.75	

Final Attainment

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
Final Attainment	1.75					0.58			0.58		0.58
Percentage	58.33					19.33			19.33		19.33





Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

B. Pharmacy [2022-23]

Course Outcome

Year : Second Year - Sem 4

Subject : Pharmacognosy and Phytochemistry I (BP409P)(Practical | Regular)

Course Code : BP409P

Sr. No.	CO Id	Course Outcome	PO/PSO	Cognitive Levels	Knowledge Categories
1	BP409P.1	Analyze unorganized crude drug by chemical tests	PO1, PO3	Apply, Analyse, Evaluate, Create	Practical Constraints
2	BP409P.2	Evaluate and identify crude drug by microscopical study	PO1, PO3	Understand, Apply, Analyse	Practical Constraints
3	BP409P.3	Evaluate crude drugs by physicochemical parameter	PO1, PO3	Evaluate, Create	Practical Constraints
4	BP409P.4	Explain use of equipment's in Pharmacognosy lab	PO1, PO3, PO4	Analyse, Evaluate, Create	Practical Constraints
5	BP409P.5	Compare, interpret, and calculate the results	PO1, PO3, PO4	Apply, Analyse, Evaluate	Procedural, Practical Constraints



J. Sohumal



Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

B. Pharmacy [2022-23]

CO PO Desired Mapping Report

Year : Second Year - Sem 4

Subject : Pharmacognosy and Phytochemistry I (BP409P) - Practical

Faculty : Jeevan Dhupal, Arti Zumbar Gite

Course Code : BP409P

Course Outcome Details

#	Course Outcome	Description
1	BP409P.1	Analyze unorganized crude drug by chemical tests
2	BP409P.2	Evaluate and identify crude drug by microscopical study
3	BP409P.3	Evaluate crude drugs by physicochemical parameter
4	BP409P.4	Explain use of equipment's in Pharmacognosy lab
5	BP409P.5	Compare, interpret, and calculate the results

Desired Attainment Details

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BP409P.1	3	2	2	2							
BP409P.2	3		2	2							
BP409P.3	3		2	2							
BP409P.4	3	2	2	2							
BP409P.5	3		2	2							
Average	3.00	2.00	2.00	2.00							

Desired Attainment Average : 2.25



J. Dhupal



Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

Pharmacognosy and Phytochemistry I (BP409P) - Practical (2022-23) [Jeevan Dhupal] [Arti Zumber Gite] [Arti Zumber Gite]

Internal Assessment

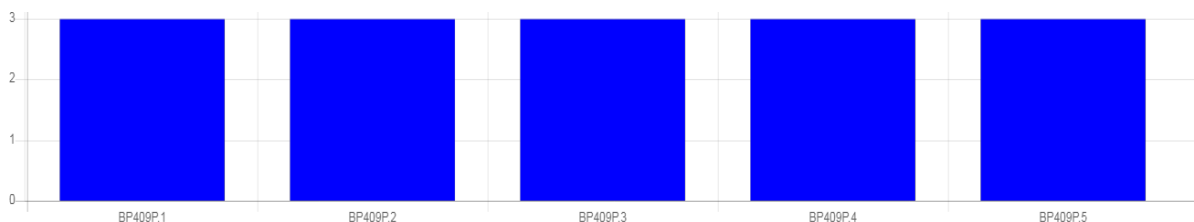
Batch [Batch A] Internal Assessment	Type	% Weightage	BP409P.1	BP409P.2	BP409P.3	BP409P.4	BP409P.5
Internal [Batch A]	Internal	30	0.90	0.90	0.90	0.90	0.90
Percent course outcome weightage			30.00	30.00	30.00	30.00	30.00
Attainment as per percent weightage			0.9	0.9	0.9	0.9	0.9
Final Attainment			3	3	3	3	3

Batch [Batch B] Internal Assessment	Type	% Weightage	BP409P.1	BP409P.2	BP409P.3	BP409P.4	BP409P.5
INTERNAL [Batch B]	Internal	30	0.90	0.90	0.90	0.90	0.90
Percent course outcome weightage			30.00	30.00	30.00	30.00	30.00
Attainment as per percent weightage			0.9	0.9	0.9	0.9	0.9
Final Attainment			3	3	3	3	3

Batch [Batch C] Internal Assessment	Type	% Weightage	BP409P.1	BP409P.2	BP409P.3	BP409P.4	BP409P.5
INTERNAL EXAMINATION [Batch C]	Internal	30	0.90	0.90	0.90	0.90	0.90
Percent course outcome weightage			30.00	30.00	30.00	30.00	30.00
Attainment as per percent weightage			0.9	0.9	0.9	0.9	0.9
Final Attainment			3	3	3	3	3

Internal Assessment Course Outcome Attainment Average

Course Outcome	BP409P.1	BP409P.2	BP409P.3	BP409P.4	BP409P.5
Average	3.00	3.00	3.00	3.00	3.00



External Assessment

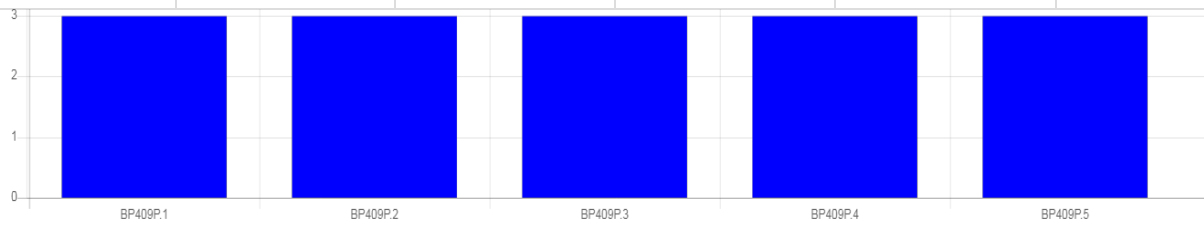
Batch [Batch A] External Assessment	Type	% Weightage	BP409P.1	BP409P.2	BP409P.3	BP409P.4	BP409P.5
External [Batch A]	External	70	2.10	2.10	2.10	2.10	2.10
Percent course outcome weightage			70.00	70.00	70.00	70.00	70.00
Attainment as per percent weightage			2.1	2.1	2.1	2.1	2.1
Final Attainment			3	3	3	3	3

Batch [Batch B] External Assessment	Type	% Weightage	BP409P.1	BP409P.2	BP409P.3	BP409P.4	BP409P.5
EXTERNAL SPPU Practical Examination [Batch B]	External	70	2.10	2.10	2.10	2.10	2.10
Percent course outcome weightage			70.00	70.00	70.00	70.00	70.00
Attainment as per percent weightage			2.1	2.1	2.1	2.1	2.1
Final Attainment			3	3	3	3	3

Batch [Batch C] External Assessment	Type	% Weightage	BP409P.1	BP409P.2	BP409P.3	BP409P.4	BP409P.5
EXTERNAL EXAM [Batch C]	External	70	2.10	2.10	2.10	2.10	2.10
Percent course outcome weightage			70.00	70.00	70.00	70.00	70.00
Attainment as per percent weightage			2.1	2.1	2.1	2.1	2.1
Final Attainment			3	3	3	3	3

External Assessment Course Outcome Attainment Average

Course Outcome	BP409P.1	BP409P.2	BP409P.3	BP409P.4	BP409P.5
Average	3.00	3.00	3.00	3.00	3.00

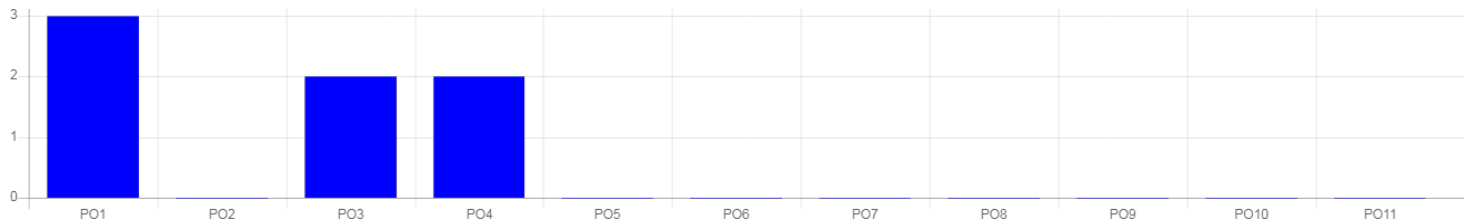


Direct Total Attainment

Course Outcome	Internal	External
BP409P.1	3.00	3.00
BP409P.2	3.00	3.00
BP409P.3	3.00	3.00
BP409P.4	3.00	3.00
BP409P.5	3.00	3.00
Average	3.00	3.00
Weightage	25	75
Direct Total Attainment	0.75	2.25
Final Direct Course Attainment	3.00	

Final Attainment

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
Final Attainment	3.00		2.00	2.00							
Percentage	100.00		66.67	66.67							



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RAJMATA JIJAU SHIKSHAN PRASARAK MANDAL'S
COLLEGE OF PHARMACY (B.Pharm.)

Approved by PCI, AICTE, Govt. of Maharashtra & DTE
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CO-PO Attainment Report
(Sem - 5)
(A.Y. 2022-2023)



Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

B. Pharmacy [2022-23]

Course Outcome

Year : Third Year - SEM 5

Subject : Medicinal Chemistry II (BP501T)(Theory I Regular)

Course Code : BP501T

Sr. No.	CO Id	Course Outcome	PO/PSO	Cognitive Levels	Knowledge Categories
1	BP501T.1	Understand the chemistry of drugs with respect to their pharmacological activity	PO1	Remember, Understand	Conceptual
2	BP501T.2	Know the Structural Activity Relationship of different class of drugs	PO1, PO3	Remember, Understand	Conceptual
3	BP501T.3	Study the chemical synthesis of selected drugs	PO1, PO3	Remember, Understand	Conceptual
4	BP501T.4	Understand the drug metabolic pathways, adverse effect and therapeutic value of drugs	PO1	Remember, Understand	Conceptual





Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

B. Pharmacy [2022-23]

CO PO Desired Mapping Report

Year : Third Year - SEM 5

Subject : Medicinal Chemistry II (BP501T) - Theory

Faculty : Dr. Kishor Jain, Prof. Prasad Vasant Rane

Course Code : BP501T

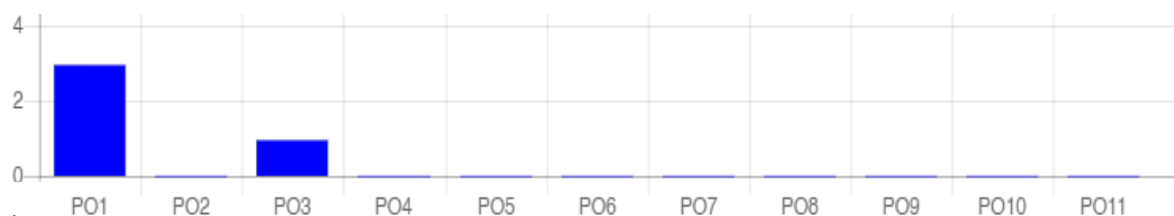
Course Outcome Details

#	Course Outcome	Description
1	BP501T.1	Understand the chemistry of drugs with respect to their pharmacological activity
2	BP501T.2	Know the Structural Activity Relationship of different class of drugs
3	BP501T.3	Study the chemical synthesis of selected drugs
4	BP501T.4	Understand the drug metabolic pathways, adverse effect and therapeutic value of drugs

Desired Attainment Details

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BP501T.1	3										
BP501T.2	3		1								
BP501T.3	3		1								
BP501T.4	3										
Average	3.00		1.00								

Desired Attainment Average : 2.00



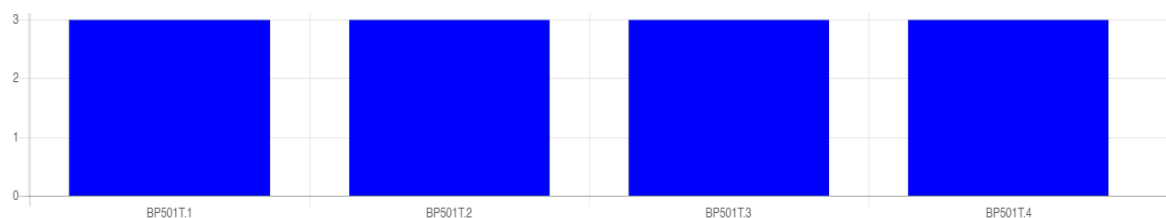


Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

Medicinal Chemistry II (BP501T) - Theory (2022-23) [Dr. Kishor Jain] [Prof. Prasad Vasant Rane]

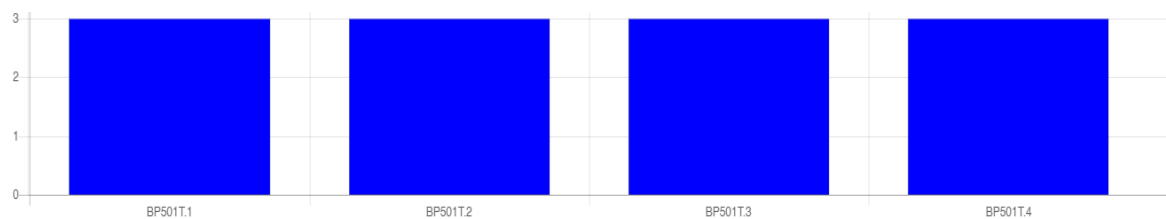
Internal Assessment

Title	Type	% Weightage	BP501T.1	BP501T.2	BP501T.3	BP501T.4
INTERNAL MARKS	Internal	25	0.75	0.75	0.75	0.75
Percent course outcome weightage			25.00	25.00	25.00	25.00
Attainment as per percent weightage			0.75	0.75	0.75	0.75
Final attainment			3	3	3	3



External Assessment

Title	Type	% Weightage	BP501T.1	BP501T.2	BP501T.3	BP501T.4
EXTERNAL EXAM	External	75	2.25	2.25	2.25	2.25
Percent course outcome weightage			75.00	75.00	75.00	75.00
Attainment as per percent weightage			2.25	2.25	2.25	2.25
Final attainment			3	3	3	3

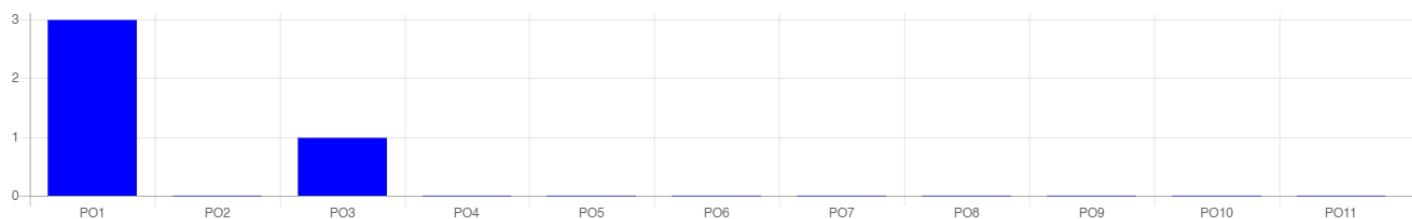


Direct Total Attainment

Course Outcome	Internal	External
BP501T.1	3.00	3.00
BP501T.2	3.00	3.00
BP501T.3	3.00	3.00
BP501T.4	3.00	3.00
Average	3.00	3.00
Weightage	25	75
Direct Total Attainment	0.75	2.25
Final Direct Course Attainment	3.00	

Final Attainment

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
Final Attainment	3.00		1.00								
Percentage	100.00		33.33								



Course Outcome

Year : Third Year - SEM 5

Subject : Industrial Pharmacy - I (BP502T)(Theory | Regular)

Course Code : BP502T

Sr. No.	CO Id	Course Outcome	PO/PSO	Cognitive Levels	Knowledge Categories
1	BP502T.1	Describe the physicochemical properties...	PO1, PO3, PO9	Remember, Understand, Analyse	Conceptual, Criteria & Specifications, Practical Constraints
2	BP502T.2	Interpret formulation data and subseque...	PO1, PO4	Apply, Analyse	Conceptual, Procedural, Practical Constraints
3	BP502T.3	Prepare quality pharmaceutical formulat...	PO1, PO3, PO9	Understand, Apply, Evaluate	Procedural, Fundamental Design Principles, Practical Constraints
4	BP502T.4	Explain the concept and importance of e...	PO1, PO9, PO11	Remember, Understand, Apply, Analyse	Procedural, Criteria & Specifications
5	BP502T.5	Describe the principles of sterile prep...	PO1, PO4	Remember, Apply, Create	Procedural, Fundamental Design Principles
6	BP502T.6	Develop cosmetic preparations with desi...	PO1, PO9	Remember, Apply	Practical Constraints
7	BP502T.7	Develop aerosol formulations and unders...	PO1, PO4, PO9	Understand, Apply	Conceptual, Meta-cognitive
8	BP502T.8	Understand the importance of pharmaceut...	PO9, PO10	Remember, Apply	Conceptual, Practical Constraints

Deak



SHASHI



Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

B. Pharmacy [2022-23]

CO PO Desired Mapping Report

Year : Third Year - SEM 5

Subject : Industrial Pharmacy - I (BP502T) - Theory

Faculty : Prof. Priyanka Suryakant Deorankar

Course Code : BP502T

Course Outcome Details

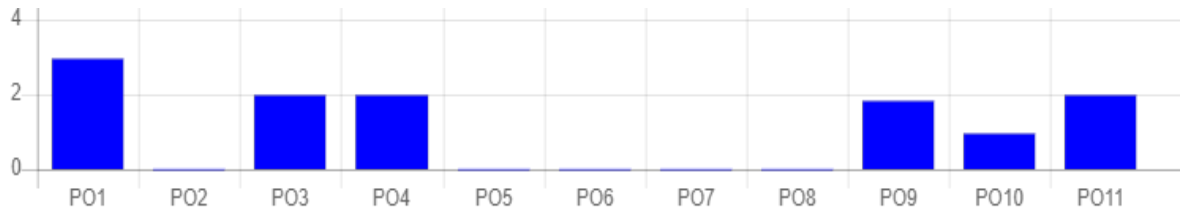
#	Course Outcome	Description
1	BP502T.1	Describe the physicochemical properties which are important for formulation development of solid, liquid and sterile dosage forms.
2	BP502T.2	Interpret formulation data and subsequent analysis data towards selection of the most stable and effective formulations.
3	BP502T.3	Prepare quality pharmaceutical formulations from known references which are suitable for patient use.
4	BP502T.4	Explain the concept and importance of evaluation of product performance and interpret such data
5	BP502T.5	Describe the principles of sterile preparations and also why quality assurance and validation of critical steps in the production process are of significant importance.
6	BP502T.6	Develop cosmetic preparations with desired Safety, stability, and efficacy
7	BP502T.7	Develop aerosol formulations and understand the importance of evaluation tests for aerosols.
8	BP502T.8	Understand the importance of pharmaceutical packaging and its applications.

Desired Attainment Details

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BP502T.1	3		2						2		
BP502T.2	3			2							
BP502T.3	3		2						2		
BP502T.4	3								2		2

BP502T.5	3			2							
BP502T.6	3								2		
BP502T.7	3			2					2		
BP502T.8									1	1	
Average	3.00		2.00	2.00					1.83	1.00	2.00

Desired Attainment Average : 1.97



Deek



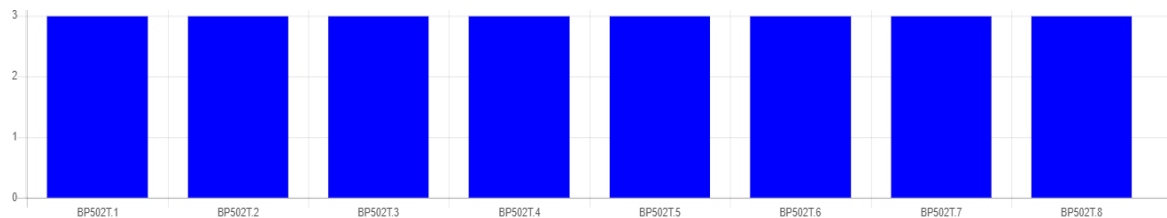


Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

Industrial Pharmacy - I (BP502T) - Theory (2022-23) [Prof. Priyanka Suryakant Deorankar]

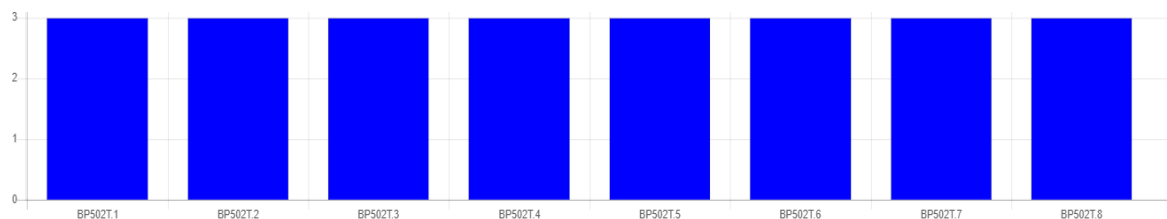
Internal Assessment

Title	Type	% Weightage	BP502T.1	BP502T.2	BP502T.3	BP502T.4	BP502T.5	BP502T.6	BP502T.7	BP502T.8
Internal	Internal	25	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
Percent course outcome weightage			25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00
Attainment as per percent weightage			0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
Final attainment			3	3	3	3	3	3	3	3



External Assessment

Title	Type	% Weightage	BP502T.1	BP502T.2	BP502T.3	BP502T.4	BP502T.5	BP502T.6	BP502T.7	BP502T.8
External	External	75	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25
Percent course outcome weightage			75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00
Attainment as per percent weightage			2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25
Final attainment			3	3	3	3	3	3	3	3

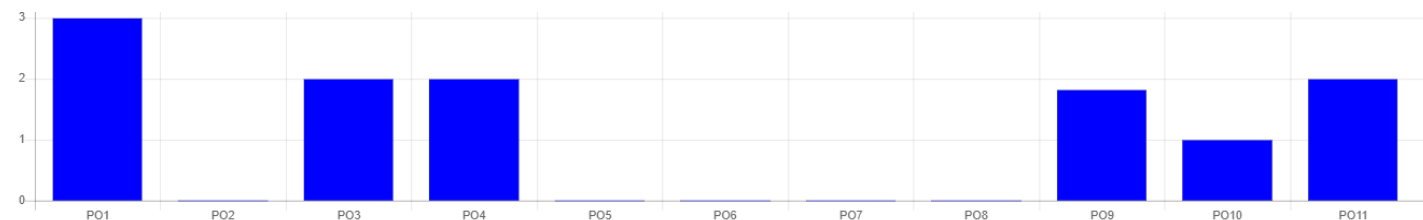


Direct Total Attainment

Course Outcome	Internal	External
BP502T.1	3.00	3.00
BP502T.2	3.00	3.00
BP502T.3	3.00	3.00
BP502T.4	3.00	3.00
BP502T.5	3.00	3.00
BP502T.6	3.00	3.00
BP502T.7	3.00	3.00
BP502T.8	3.00	3.00
Average	3.00	3.00
Weightage	25	75
Direct Total Attainment	0.75	2.25
Final Direct Course Attainment	3.00	

Final Attainment

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
Final Attainment	3.00		2.00	2.00					1.83	1.00	2.00
Percentage	100.00		66.67	66.67					61.00	33.33	66.67





Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

B. Pharmacy [2022-23]

Course Outcome

Year : Third Year - SEM 5

Subject : Pharmacology II (BP503T)(Theory | Regular)

Course Code : BP503T

Sr. No.	CO Id	Course Outcome	PO/PSO	Cognitive Levels	Knowledge Categories
1	BP503T.1	Analyze the mechanism of drugs acting on cardiovascular system	PO1, PO2, PO3, PO4, PO9	Remember, Understand	Factual, Conceptual
2	BP503T.2	Express in depth knowledge about pharmacology and pharmacotherapy of drugs used in against autacoids	PO1, PO2, PO4, PO6, PO9	Remember, Understand	Factual, Conceptual
3	BP503T.3	Summarize the detail classification, mechanism of action, pharmacokinetics, therapeutic uses, adverse effects drug interactions of drugs acting on cardiovascular drugs and endocrine system	PO1, PO2, PO3, PO6, PO9	Remember, Apply, Analyse	Factual, Conceptual, Procedural
4	BP503T.4	Summarize the detail mechanism of Principles, applications and types of bioassay	PO1, PO2, PO3	Remember, Understand	Factual, Conceptual, Procedural
5	BP503T.5	Study of Principles, applications and types of bioassay	PO1, PO2, PO3, PO11	Remember, Understand, Apply	Factual, Conceptual, Procedural

Shakila

S.M.D





Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

B. Pharmacy [2022-23]

CO PO Desired Mapping Report

Year : Third Year - SEM 5

Subject : Pharmacology II (BP503T) - Theory

Faculty : Sadhana Deokar

Course Code : BP503T

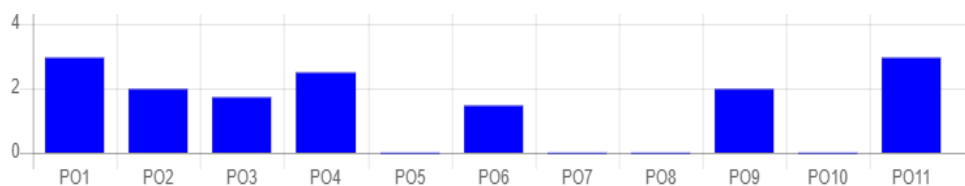
Course Outcome Details

#	Course Outcome	Description
1	BP503T.1	Analyze the mechanism of drugs acting on cardiovascular system
2	BP503T.2	Express in depth knowledge about pharmacology and pharmacotherapy of drugs used in against autacoids
3	BP503T.3	Summarize the detail classification, mechanism of action, pharmacokinetics, therapeutic uses, adverse effects drug interactions of drugs acting on cardiovascular drugs and endocrine system
4	BP503T.4	Summarize the detail mechanism of Principles, applications and types of bioassay
5	BP503T.5	Study of Principles, applications and types of bioassay

Desired Attainment Details

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BP503T.1	3	2	3	3					2		
BP503T.2	3	2		2		1			2		
BP503T.3	3	2	2			2			2		
BP503T.4	3	2	1								
BP503T.5	3	2	1								3
Average	3.00	2.00	1.75	2.50		1.50			2.00		3.00

Desired Attainment Average : 2.25



Shakila

S.M.D

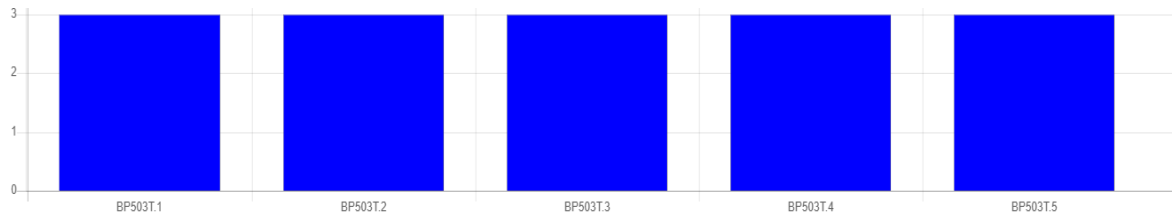


Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

Pharmacology II (BP503T) - Theory (2022-23) [Sadhana Deokar]

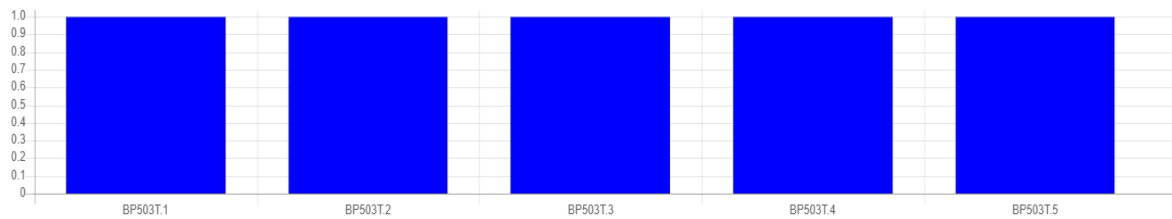
Internal Assessment

Title	Type	% Weightage	BP503T.1	BP503T.2	BP503T.3	BP503T.4	BP503T.5
Internal Marks	Internal	25	0.75	0.75	0.75	0.75	0.75
Percent course outcome weightage			25.00	25.00	25.00	25.00	25.00
Attainment as per percent weightage			0.75	0.75	0.75	0.75	0.75
Final attainment			3	3	3	3	3



External Assessment

Title	Type	% Weightage	BP503T.1	BP503T.2	BP503T.3	BP503T.4	BP503T.5
External Marks	External	75	0.75	0.75	0.75	0.75	0.75
Percent course outcome weightage			75.00	75.00	75.00	75.00	75.00
Attainment as per percent weightage			0.75	0.75	0.75	0.75	0.75
Final attainment			1	1	1	1	1

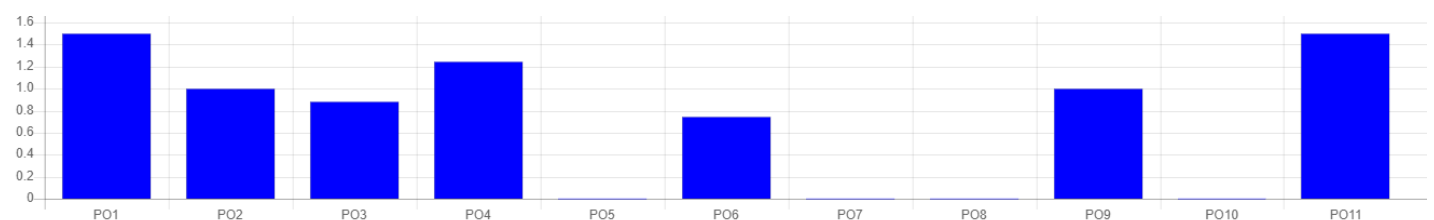


Direct Total Attainment

Course Outcome	Internal	External
BP503T.1	3.00	1.00
BP503T.2	3.00	1.00
BP503T.3	3.00	1.00
BP503T.4	3.00	1.00
BP503T.5	3.00	1.00
Average	3.00	1.00
Weightage	25	75
Direct Total Attainment	0.75	0.75
Final Direct Course Attainment	1.50	

Final Attainment

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
Final Attainment	1.50	1.00	0.88	1.25		0.75			1.00		1.50
Percentage	50.00	33.33	29.33	41.67		25.00			33.33		50.00



Shakila

S.M.D



Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

B. Pharmacy [2022-23]

Course Outcome

Year : Third Year - SEM 5

Subject : Pharmacognosy and Phytochemistry II (BP504T)(Theory | Regular)

Course Code : BP504T

Sr. No.	CO Id	Course Outcome	PO/PSO	Cognitive Levels	Knowledge Categories
1	BP504T.1	Highlight applicability and understand the relevance and significance of pharmacognosy and phytochemistry to pharmaceutical sciences	PO1, PO6, PO7	Understand	Conceptual
2	BP504T.2	Clarify principles of modern extraction techniques & explain how these can be applied in characterization and identification of the herbal drug and phytoconstituents..	PO1, PO3	Understand, Apply, Analyse, Evaluate, Create	Conceptual, Procedural, Fundamental Design Principles, Practical Constraints
3	BP504T.3	Explain correct use of various equipment in pharmacognosy laboratory.	PO1, PO2, PO6, PO11	Understand, Apply, Analyse, Evaluate, Create	Conceptual, Procedural, Practical Constraints, Factual
4	BP504T.4	Understand the principle & applications of chromatographic & non-chromatographic separation methods	PO1, PO2, PO11	Remember, Understand, Apply, Analyse, Evaluate, Create	Conceptual, Procedural, Practical Constraints, Factual
5	BP504T.5	Understand the metabolic pathway in formation of secondary metabolites and application of bio genetic Study.	PO1, PO8, PO11	Remember, Understand	Factual, Conceptual
6	BP504T.6	Know the different classes of secondary metabolites with their composition, chemistry and chemical classes, biological source, method of extraction, uses and application.	PO1, PO2, PO11	Remember, Understand	Factual, Conceptual, Procedural, Fundamental Design Principles, Practical Constraints

STB



J. Sohumal



Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

B. Pharmacy [2022-23]

CO PO Desired Mapping Report

Year : Third Year - SEM 5

Subject : Pharmacognosy and Phytochemistry II (BP504T) - Theory

Faculty : PROF. SUHAS GHODEKAR, Jeevan Dhupal

Course Code : BP504T

Course Outcome Details

#	Course Outcome	Description
1	BP504T.1	Highlight applicability and understand the relevance and significance of pharmacognosy and phytochemistry to pharmaceutical sciences
2	BP504T.2	Clarify principles of modern extraction techniques & explain how these can be applied in characterization and identification of the herbal drug and phytoconstituents..
3	BP504T.3	Explain correct use of various equipment in pharmacognosy laboratory.
4	BP504T.4	Understand the principle & applications of chromatographic & non-chromatographic separation methods
5	BP504T.5	Understand the metabolic pathway in formation of secondary metabolites and application of bio genetic Study.
6	BP504T.6	Know the different classes of secondary metabolites with their composition, chemistry and chemical classes, biological source, method of extraction, uses and application.

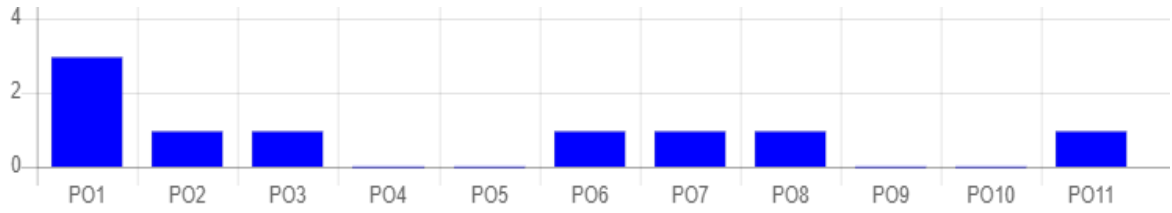
Desired Attainment Details

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BP504T.1	3					1	1				
BP504T.2	3		1								
BP504T.3	3	1				1					1
BP504T.4	3	1									1
BP504T.5	3							1			1

STB

BP504T.6	3	1									1
Average	3.00	1.00	1.00			1.00	1.00	1.00			1.00

Desired Attainment Average : 1.29



STB



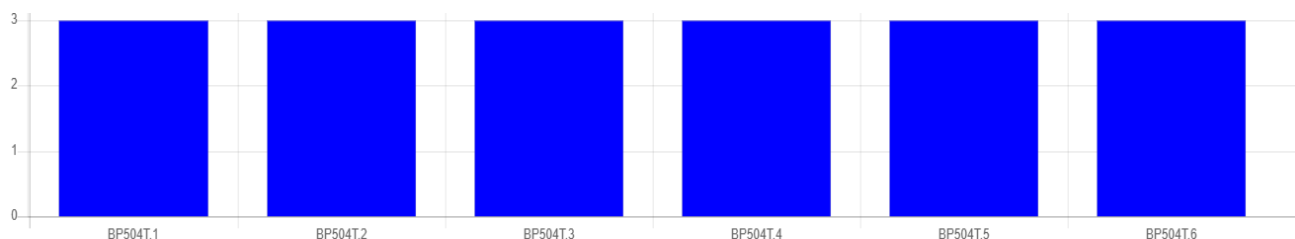


Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

Pharmacognosy and Phytochemistry II (BP504T) - Theory (2022-23) [PROF. SUHAS GHODEKAR] [Jeevan Dhmal]

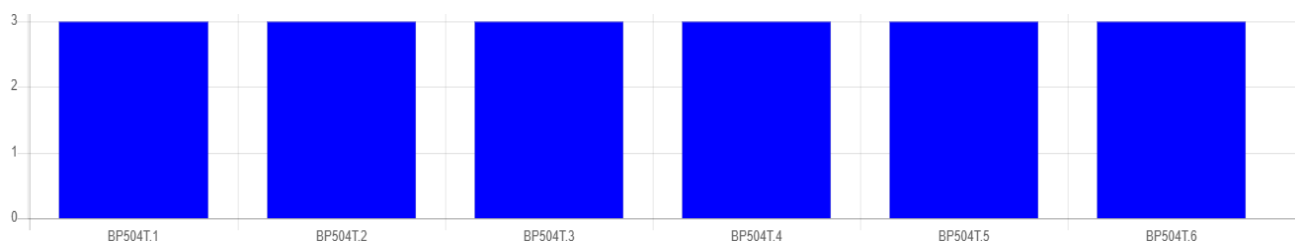
Internal Assessment

Title	Type	% Weightage	BP504T.1	BP504T.2	BP504T.3	BP504T.4	BP504T.5	BP504T.6
Internal Sessional Marks	Internal	25	0.75	0.75	0.75	0.75	0.75	0.75
Percent course outcome weightage			25.00	25.00	25.00	25.00	25.00	25.00
Attainment as per percent weightage			0.75	0.75	0.75	0.75	0.75	0.75
Final attainment			3	3	3	3	3	3



External Assessment

Title	Type	% Weightage	BP504T.1	BP504T.2	BP504T.3	BP504T.4	BP504T.5	BP504T.6
University Marks	External	75	2.25	2.25	2.25	2.25	2.25	2.25
Percent course outcome weightage			75.00	75.00	75.00	75.00	75.00	75.00
Attainment as per percent weightage			2.25	2.25	2.25	2.25	2.25	2.25
Final attainment			3	3	3	3	3	3

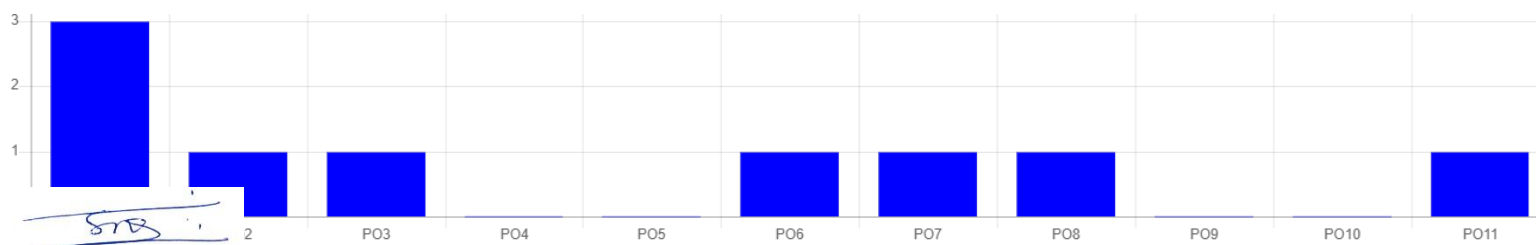


Direct Total Attainment

Course Outcome	Internal	External
BP504T.1	3.00	3.00
BP504T.2	3.00	3.00
BP504T.3	3.00	3.00
BP504T.4	3.00	3.00
BP504T.5	3.00	3.00
BP504T.6	3.00	3.00
Average	3.00	3.00
Weightage	25	75
Direct Total Attainment	0.75	2.25
Final Direct Course Attainment	3.00	

Final Attainment

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
Final Attainment	3.00	1.00	1.00			1.00	1.00	1.00			1.00
Percentage	100.00	33.33	33.33			33.33	33.33	33.33			33.33





Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

B. Pharmacy [2022-23]

Course Outcome

Year : Third Year - SEM 5

Subject : Pharmaceutical Jurisprudence (BP505T)(Theory | Regular)

Course Code : BP505T

Sr. No.	CO Id	Course Outcome	PO/PSO	Cognitive Levels	Knowledge Categories
1	BP505T.1	The Pharmaceutical legislations and their implications in the development and marketing of pharmaceuticals.	PO1, PO7, PO11	Understand	Procedural
2	BP505T.2	Various Indian pharmaceutical Acts and Laws	PO1, PO7, PO11	Understand, Analyse	Conceptual
3	BP505T.3	The regulatory authorities and agencies governing the manufacture and sale of pharmaceuticals	PO1, PO7, PO11	Remember, Understand	Criteria & Specifications
4	BP505T.4	The code of ethics during the pharmaceutical practice.	PO1, PO7, PO11	Apply	Procedural

Vaidya

अज्ञानं मृत्योर्गुरुः





Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune
B. Pharmacy [2022-23]

CO PO Desired Mapping Report

Year : Third Year - SEM 5

Subject : Pharmaceutical Jurisprudence (BP505T) - Theory

Faculty : Vipra Vaidya

Course Code : BP505T

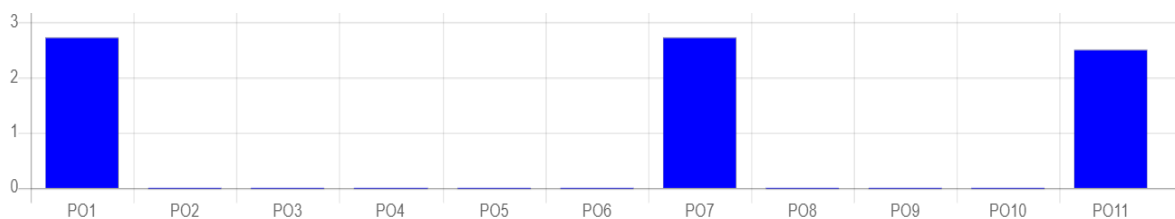
Course Outcome Details

#	Course Outcome	Description
1	BP505T.1	The Pharmaceutical legislations and their implications in the development and marketing of pharmaceuticals.
2	BP505T.2	Various Indian pharmaceutical Acts and Laws
3	BP505T.3	The regulatory authorities and agencies governing the manufacture and sale of pharmaceuticals
4	BP505T.4	The code of ethics during the pharmaceutical practice.

Desired Attainment Details

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BP505T.1	3						3				3
BP505T.2	3						3				3
BP505T.3	3						3				2
BP505T.4	3						3				3
Average	3.00						3.00				2.75

Desired Attainment Average : 2.92



Vaidya



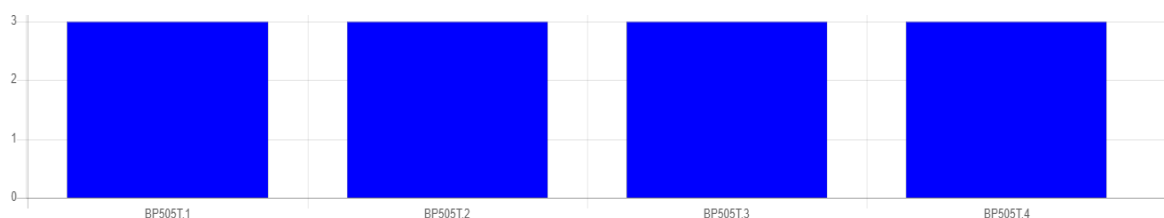


Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

Pharmaceutical Jurisprudence (BP505T) - Theory (2022-23) [Vipra Vaidya]

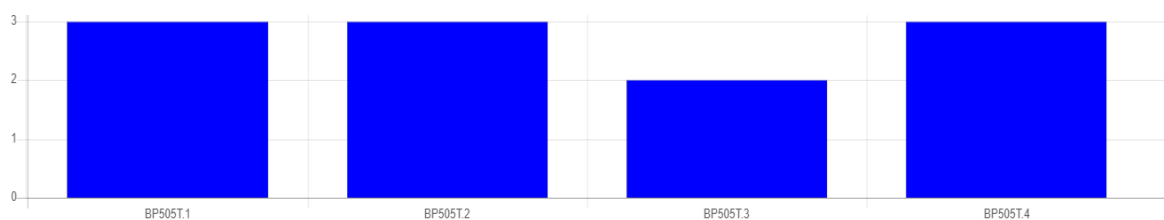
Internal Assessment

Title	Type	% Weightage	BP505T.1	BP505T.2	BP505T.3	BP505T.4
Internal Examination	Internal	25	0.75	0.75	0.75	0.75
Percent course outcome weightage			25.00	25.00	25.00	25.00
Attainment as per percent weightage			0.75	0.75	0.75	0.75
Final attainment			3	3	3	3



External Assessment

Title	Type	% Weightage	BP505T.1	BP505T.2	BP505T.3	BP505T.4
External Examination	External	75	2.25	2.25	1.50	2.25
Percent course outcome weightage			75.00	75.00	75.00	75.00
Attainment as per percent weightage			2.25	2.25	1.5	2.25
Final attainment			3	3	2	3

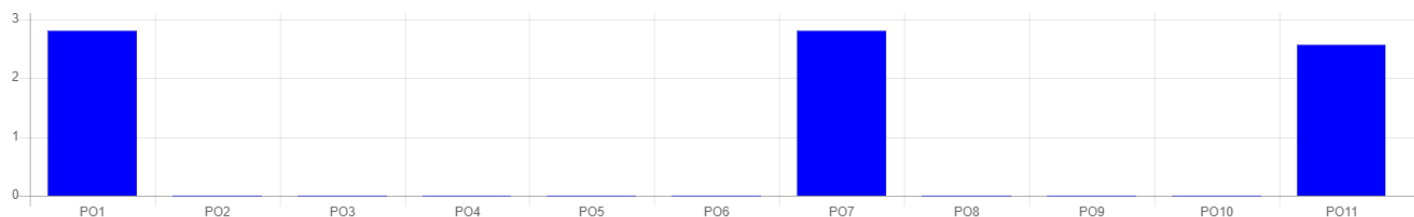


Direct Total Attainment

Course Outcome	Internal	External
BP505T.1	3.00	3.00
BP505T.2	3.00	3.00
BP505T.3	3.00	2.00
BP505T.4	3.00	3.00
Average	3.00	2.75
Weightage	25	75
Direct Total Attainment	0.75	2.06
Final Direct Course Attainment	2.81	

Final Attainment

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
Final Attainment	2.81						2.81				2.58
Percentage	93.67						93.67				86.00



Vaidya



Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

B. Pharmacy [2022-23]

Course Outcome

Year : Third Year - SEM 5

Subject : Industrial Pharmacy-I (BP506P)(Practical | Regular)

Course Code : BP506P

Sr. No.	CO Id	Course Outcome	PO/PSO	Cognitive Levels	Knowledge Categories
1	BP506P.2	Understand and evaluate the concept of preformulation and develop the stable and efficient dosage forms	PO1, PO3	Understand, Apply, Analyse	Conceptual, Procedural
2	BP506P.1	Prepare and evaluate different solid dosage forms such as tablets capsules, pellets etc.	PO9	Remember, Apply, Evaluate	Procedural, Practical Constraints
3	BP506P.3	Prepare and develop biphasic liquid formulations with all its evaluation parameters	PO1, PO4	Understand, Apply	Procedural, Practical Constraints
4	BP506P.4	Practice the aseptic technique while preparing parenteral formulations.	PO1, PO9	Remember, Understand, Apply	Procedural, Practical Constraints
5	BP506P.5	Practice the preparation and development of ophthalmic formulations.	PO1	Create	Procedural, Practical Constraints
6	BP506P.6	Understand importance of pharmaceutical packaging and able to perform the various tests of packaging containers. (evaluation tests for glass containers)	PO1	Apply, Evaluate	Conceptual, Procedural, Practical Constraints

Sr. No.	CO Id	Course Outcome	PO/PSO	Cognitive Levels	Knowledge Categories
7	BP506P.7	Know the preparation & evaluation parameters for cosmetic preparations.	PO1, PO2	Understand, Evaluate, Create	Procedural, Meta-cognitive, Criteria & Specifications, Practical Constraints

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Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

B. Pharmacy [2022-23]

CO PO Desired Mapping Report

Year : Third Year - SEM 5

Subject : Industrial Pharmacy - I (BP502T) - Theory

Faculty : Prof. Priyanka Suryakant Deorankar

Course Code : BP502T

Course Outcome Details

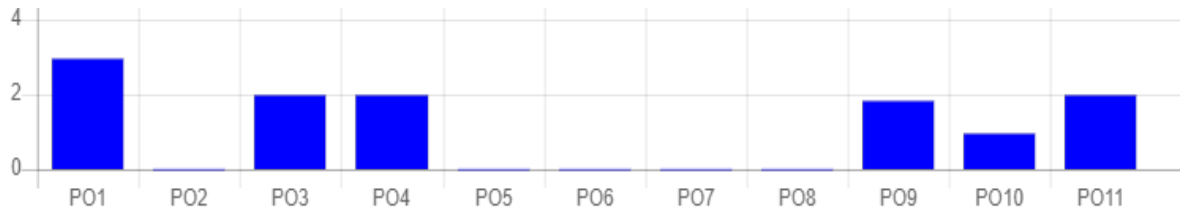
#	Course Outcome	Description
1	BP502T.1	Describe the physicochemical properties which are important for formulation development of solid, liquid and sterile dosage forms.
2	BP502T.2	Interpret formulation data and subsequent analysis data towards selection of the most stable and effective formulations.
3	BP502T.3	Prepare quality pharmaceutical formulations from known references which are suitable for patient use.
4	BP502T.4	Explain the concept and importance of evaluation of product performance and interpret such data
5	BP502T.5	Describe the principles of sterile preparations and also why quality assurance and validation of critical steps in the production process are of significant importance.
6	BP502T.6	Develop cosmetic preparations with desired Safety, stability, and efficacy
7	BP502T.7	Develop aerosol formulations and understand the importance of evaluation tests for aerosols.
8	BP502T.8	Understand the importance of pharmaceutical packaging and its applications.

Desired Attainment Details

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BP502T.1	3		2						2		
BP502T.2	3			2							
BP502T.3	3		2						2		
BP502T.4	3								2		2

BP502T.5	3			2							
BP502T.6	3								2		
BP502T.7	3			2					2		
BP502T.8									1	1	
Average	3.00		2.00	2.00					1.83	1.00	2.00

Desired Attainment Average : 1.97



Devi





Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

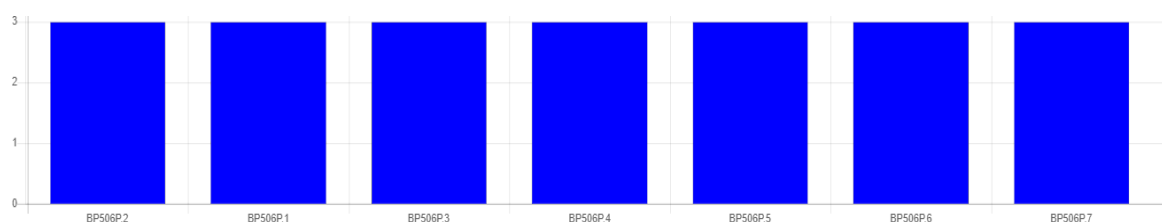
Industrial Pharmacy-I (BP506P) - Practical (2022-23) [Prof. Priyanka Suryakant Deorankar] [Prof. Priyanka Suryakant Deorankar] [Prof. Priyanka Suryakant Deorankar]

Internal Assessment

Batch [Batch A, Batch B, Batch C] Internal Assessment	Type	% Weightage	BP506P.2	BP506P.1	BP506P.3	BP506P.4	BP506P.5	BP506P.6	BP506P.7
Internal [Batch A, Batch B, Batch C]	Internal	30	0.90	0.90	0.90	0.90	0.90	0.90	0.90
Percent course outcome weightage			30.00	30.00	30.00	30.00	30.00	30.00	30.00
Attainment as per percent weightage			0.9	0.9	0.9	0.9	0.9	0.9	0.9
Final Attainment			3	3	3	3	3	3	3

Internal Assessment Course Outcome Attainment Average

Course Outcome	BP506P.2	BP506P.1	BP506P.3	BP506P.4	BP506P.5	BP506P.6	BP506P.7
Average	3.00	3.00	3.00	3.00	3.00	3.00	3.00

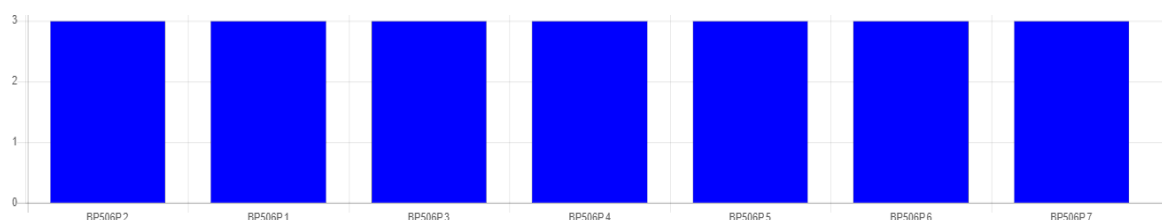


External Assessment

Batch [Batch A, Batch B, Batch C] External Assessment	Type	% Weightage	BP506P.2	BP506P.1	BP506P.3	BP506P.4	BP506P.5	BP506P.6	BP506P.7
External [Batch A, Batch B, Batch C]	External	70	2.10	2.10	2.10	2.10	2.10	2.10	2.10
Percent course outcome weightage			70.00	70.00	70.00	70.00	70.00	70.00	70.00
Attainment as per percent weightage			2.1	2.1	2.1	2.1	2.1	2.1	2.1
Final Attainment			3	3	3	3	3	3	3

External Assessment Course Outcome Attainment Average

Course Outcome	BP506P.2	BP506P.1	BP506P.3	BP506P.4	BP506P.5	BP506P.6	BP506P.7
Average	3.00	3.00	3.00	3.00	3.00	3.00	3.00

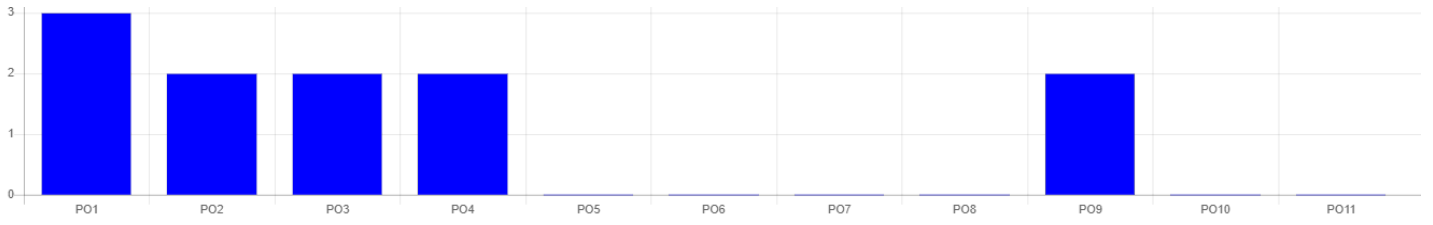


Direct Total Attainment

Course Outcome	Internal	External
BP506P.2	3.00	3.00
BP506P.1	3.00	3.00
BP506P.3	3.00	3.00
BP506P.4	3.00	3.00
BP506P.5	3.00	3.00
BP506P.6	3.00	3.00
BP506P.7	3.00	3.00
Average	3.00	3.00
Weightage	25	75
Direct Total Attainment	0.75	2.25
Final Direct Course Attainment		3.00

Final Attainment

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
Final Attainment	3.00	2.00	2.00	2.00					2.00		
Percentage	100.00	66.67	66.67	66.67					66.67		



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Devi





Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

B. Pharmacy [2022-23]

Course Outcome

Year : Third Year - SEM 5

Subject : Pharmacology - II (BP507P)(Practical | Regular)

Course Code : BP507P

Sr. No.	CO Id	Course Outcome	PO/PSO	Cognitive Levels	Knowledge Categories
1	BP507P.1	Demonstrate isolation of different organs/tissues from the laboratory animals by simulated experiments	PO1, PO2, PO6, PO9	Understand, Apply, Analyse	Conceptual, Procedural, Meta-cognitive
2	BP507P.2	Demonstrate the various receptor actions using isolated tissue preparation	PO2, PO4, PO6	Understand, Apply, Analyse, Evaluate	Conceptual, Procedural, Meta-cognitive
3	BP507P.3	Understand the mechanism of drug action and its relevance in the treatment of different diseases	PO1, PO3, PO11	Understand, Apply, Analyse	Conceptual, Procedural, Meta-cognitive
4	BP507P.4	Elaborate correlation of pharmacology with related medical sciences	PO3, PO4, PO8	Remember, Understand, Apply	Conceptual, Procedural, Meta-cognitive
5	BP507P.5	Understand in-vitro pharmacology and different physiological salt solutions.	PO1, PO2, PO3, PO6	Remember, Understand, Apply	Factual, Conceptual, Meta-cognitive

Shakila

S.M.D





Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

B. Pharmacy [2022-23]

CO PO Desired Mapping Report

Year : Third Year - SEM 5

Subject : Pharmacology - II (BP507P) - Practical

Faculty : Sadhana Deokar

Course Code : BP507P

Course Outcome Details

#	Course Outcome	Description
1	BP507P.1	Demonstrate isolation of different organs/tissues from the laboratory animals by simulated experiments
2	BP507P.2	Demonstrate the various receptor actions using isolated tissue preparation
3	BP507P.3	Understand the mechanism of drug action and its relevance in the treatment of different diseases
4	BP507P.4	Elaborate correlation of pharmacology with related medical sciences
5	BP507P.5	Understand in-vitro pharmacology and different physiological salt solutions.

Desired Attainment Details

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BP507P.1	3	3				3			3		
BP507P.2		2		3		3					
BP507P.3	3		2								3
BP507P.4			3	2				3			
BP507P.5	3	3	3			3					
Average	3.00	2.67	2.67	2.50		3.00		3.00	3.00		3.00

Desired Attainment Average : 2.85



Shakila

S.M.D





Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

Pharmacology - II (BP507P) - Practical (2022-23) [Sadhana Deokar] [Sadhana Deokar] [Sadhana Deokar]

Internal Assessment

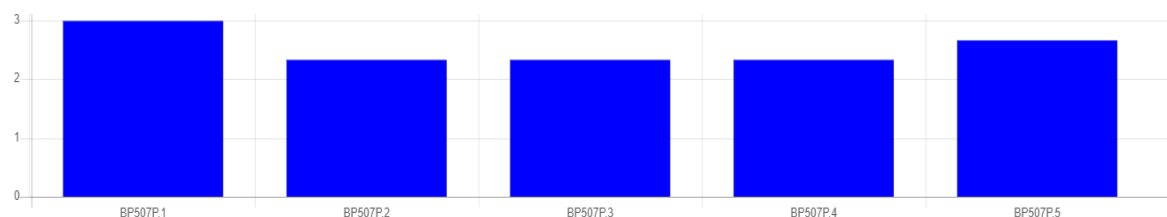
Batch [Batch A] Internal Assessment	Type	% Weightage	BP507P.1	BP507P.2	BP507P.3	BP507P.4	BP507P.5
Internal Marks [Batch A]	Internal	30	0.90	0.60	0.60	0.60	0.90
Percent course outcome weightage			30.00	30.00	30.00	30.00	30.00
Attainment as per percent weightage			0.9	0.6	0.6	0.6	0.9
Final Attainment			3	2	2	2	3

Batch [Batch B] Internal Assessment	Type	% Weightage	BP507P.1	BP507P.2	BP507P.3	BP507P.4	BP507P.5
Internal Marks [Batch B]	Internal	30	0.90	0.60	0.90	0.60	0.90
Percent course outcome weightage			30.00	30.00	30.00	30.00	30.00
Attainment as per percent weightage			0.9	0.6	0.9	0.6	0.9
Final Attainment			3	2	3	2	3

Batch [Batch C] Internal Assessment	Type	% Weightage	BP507P.1	BP507P.2	BP507P.3	BP507P.4	BP507P.5
Internal Marks [Batch C]	Internal	30	0.90	0.90	0.60	0.90	0.60
Percent course outcome weightage			30.00	30.00	30.00	30.00	30.00
Attainment as per percent weightage			0.9	0.9	0.6	0.9	0.6
Final Attainment			3	3	2	3	2

Internal Assessment Course Outcome Attainment Average

Course Outcome	BP507P.1	BP507P.2	BP507P.3	BP507P.4	BP507P.5
Average	3.00	2.33	2.33	2.33	2.67



External Assessment

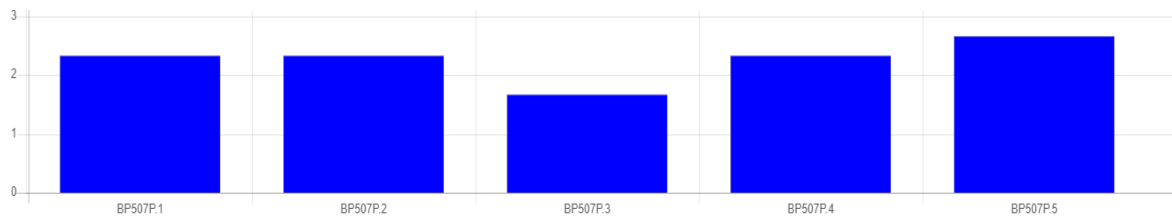
Batch [Batch A] External Assessment	Type	% Weightage	BP507P.1	BP507P.2	BP507P.3	BP507P.4	BP507P.5
External marks [Batch A]	External	70	2.10	0.70	1.40	1.40	2.10
Percent course outcome weightage			70.00	70.00	70.00	70.00	70.00
Attainment as per percent weightage			2.1	0.7	1.4	1.4	2.1
Final Attainment			3	1	2	2	3

Batch [Batch B] External Assessment	Type	% Weightage	BP507P.1	BP507P.2	BP507P.3	BP507P.4	BP507P.5
External marks [Batch B]	External	70	1.40	2.10	0.70	1.40	2.10
Percent course outcome weightage			70.00	70.00	70.00	70.00	70.00
Attainment as per percent weightage			1.4	2.1	0.7	1.4	2.1
Final Attainment			2	3	1	2	3

Batch [Batch C] External Assessment	Type	% Weightage	BP507P.1	BP507P.2	BP507P.3	BP507P.4	BP507P.5
External Marks [Batch C]	External	70	1.40	2.10	1.40	2.10	1.40
Percent course outcome weightage			70.00	70.00	70.00	70.00	70.00
Attainment as per percent weightage			1.4	2.1	1.4	2.1	1.4
Final Attainment			2	3	2	3	2

External Assessment Course Outcome Attainment Average

Course Outcome	BP507P.1	BP507P.2	BP507P.3	BP507P.4	BP507P.5
Average	2.33	2.33	1.67	2.33	2.67

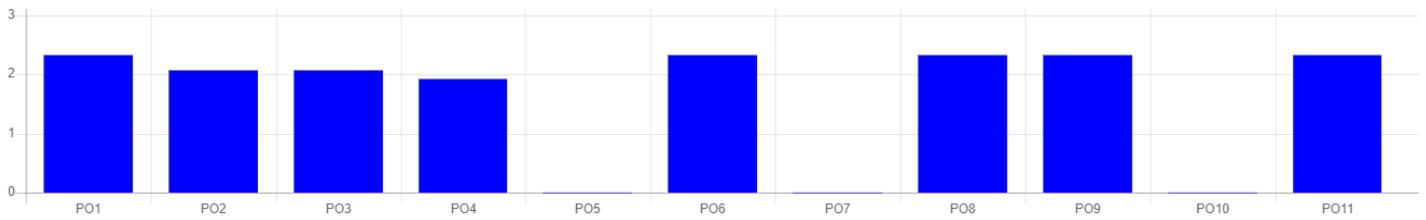


Direct Total Attainment

Course Outcome	Internal	External
BP507P.1	3.00	2.33
BP507P.2	2.33	2.33
BP507P.3	2.33	1.67
BP507P.4	2.33	2.33
BP507P.5	2.67	2.67
Average	2.53	2.27
Weightage	25	75
Direct Total Attainment	0.63	1.70
Final Direct Course Attainment	2.33	

Final Attainment

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
Final Attainment	2.33	2.08	2.08	1.94		2.33		2.33	2.33		2.33
Percentage	77.67	69.33	69.33	64.67		77.67		77.67	77.67		77.67



Shakila

S.M.D





Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

B. Pharmacy [2022-23]

Course Outcome

Year : Third Year - SEM 5

Subject : Pharmacognosy and Phytochemistry II (BP508P)(Practical | Regular)

Course Code : BP508P

Sr. No.	CO Id	Course Outcome	PO/PSO	Cognitive Levels	Knowledge Categories
1	BP508P1	Explain correct use of various equipments in Pharmacognosy laboratory	PO1, PO2, PO3, PO4	Understand, Apply	Conceptual, Procedural, Practical Constraints
2	BP508P2	Handle simple and compound microscope technically in a correct way	PO1, PO2, PO3, PO4	Understand, Apply, Evaluate	Conceptual, Procedural, Practical Constraints
3	BP508P3	Demonstrate skill of plant material sectioning, staining, mounting & focusing.	PO1, PO2, PO3, PO4	Remember, Understand, Apply	Procedural, Practical Constraints
4	BP508P4	Draw morphological & microscopical diagrams & able to label component.	PO1, PO2, PO3, PO4	Apply, Create	Practical Constraints
5	BP508P5	Understand the different cellular structures in powder characteristics of plant organ.	PO1, PO2, PO3, PO4	Understand, Apply	Conceptual, Procedural, Practical Constraints
6	BP508P6	Understand the isolation process, role of solvent and identification of different secondary metabolites.	PO1, PO2, PO3, PO4	Remember, Understand, Analyse, Evaluate	Conceptual, Procedural, Practical Constraints
7	BP508P7	Understand the use of chromatography in identification of plant material, extracts and isolated compounds.	PO1, PO2, PO3	Understand	Procedural, Practical Constraints
8	BP508P8	Understand the organized and unorganized drug and develop skill to identify it by chemical tests.	PO1, PO2, PO3, PO4	Understand, Analyse, Evaluate	Conceptual, Practical Constraints

S.T.B.



J. Sohumal



Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

B. Pharmacy [2022-23]

CO PO Desired Mapping Report

Year : Third Year - SEM 5

Subject : Pharmacognosy and Phytochemistry II (BP508P) - Practical

Faculty : Prof. Suhas Ghodekar, Jeevan Dhumal

Course Code : BP508P

Course Outcome Details

#	Course Outcome	Description
1	BP508P1	Explain correct use of various equipments in Pharmacognosy laboratory
2	BP508P2	Handle simple and compound microscope technically in a correct way
3	BP508P3	Demonstrate skill of plant material sectioning, staining, mounting & focusing.
4	BP508P4	Draw morphological & microscopical diagrams & able to label component.
5	BP508P5	Understand the different cellular structures in powder characteristics of plant organ.
6	BP508P6	Understand the isolation process, role of solvent and identification of different secondary metabolites.
7	BP508P7	Understand the use of chromatography in identification of plant material, extracts and isolated compounds.
8	BP508P8	Understand the organized and unorganized drug and develop skill to identify it by chemical tests.

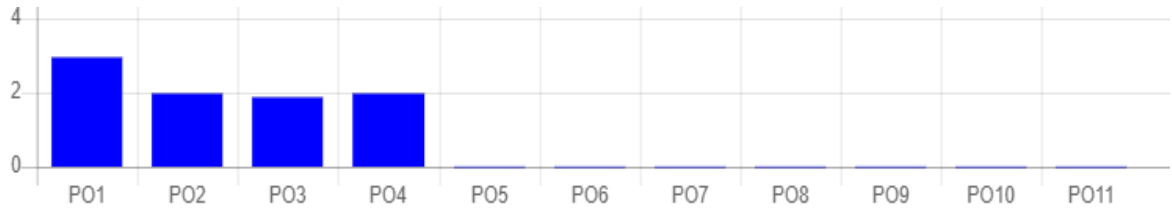
Desired Attainment Details

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BP508P1	3	2	2	2							
BP508P2	3	2	2	2							
BP508P3	3	2	2	2							
BP508P4	3	2	1	2							
BP508P5	3	2	2	2							

STB

BP508P6	3	2	2	2						
BP508P7	3	2	2							
BP508P8	3	2	2	2						
Average	3.00	2.00	1.88	2.00						

Desired Attainment Average : 2.22



STB





Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

Pharmacognosy and Phytochemistry II (BP508P) - Practical (2022-23) [Prof. Suhas Ghodekar] [Jeevan Dhumaal] [Jeevan Dhumaal]

Internal Assessment

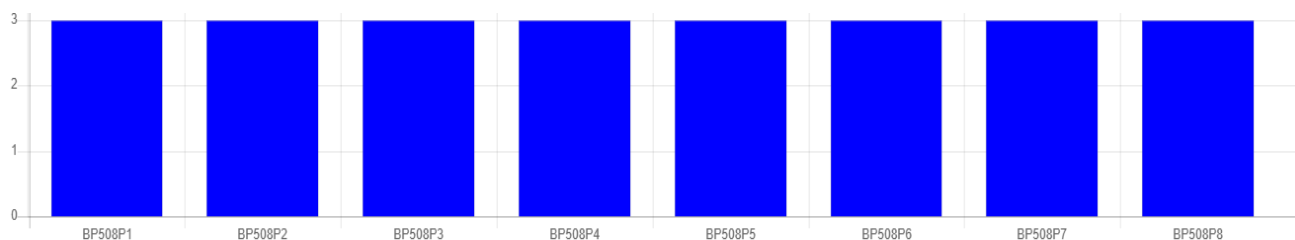
Batch [Batch A] Internal Assessment	Type	% Weightage	BP508P1	BP508P2	BP508P3	BP508P4	BP508P5	BP508P6	BP508P7	BP508P8
Internal Marks [Batch A]	Internal	30	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
Percent course outcome weightage			30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
Attainment as per percent weightage			0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
Final Attainment			3	3	3	3	3	3	3	3

Batch [Batch B] Internal Assessment	Type	% Weightage	BP508P1	BP508P2	BP508P3	BP508P4	BP508P5	BP508P6	BP508P7	BP508P8
Internal Sessional Marks [Batch B]	Internal	30	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
Percent course outcome weightage			30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
Attainment as per percent weightage			0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
Final Attainment			3	3	3	3	3	3	3	3

Batch [Batch C] Internal Assessment	Type	% Weightage	BP508P1	BP508P2	BP508P3	BP508P4	BP508P5	BP508P6	BP508P7	BP508P8
Internal Sessional Marks [Batch C]	Internal	30	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
Percent course outcome weightage			30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
Attainment as per percent weightage			0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
Final Attainment			3	3	3	3	3	3	3	3

Internal Assessment Course Outcome Attainment Average

Course Outcome	BP508P1	BP508P2	BP508P3	BP508P4	BP508P5	BP508P6	BP508P7	BP508P8
Average	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00



External Assessment

Batch [Batch A] External Assessment	Type	% Weightage	BP508P1	BP508P2	BP508P3	BP508P4	BP508P5	BP508P6	BP508P7	BP508P8
University Practical Marks [Batch A]	External	70	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.10
Percent course outcome weightage			70.00	70.00	70.00	70.00	70.00	70.00	70.00	70.00
Attainment as per percent weightage			2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
Final Attainment			3	3	3	3	3	3	3	3

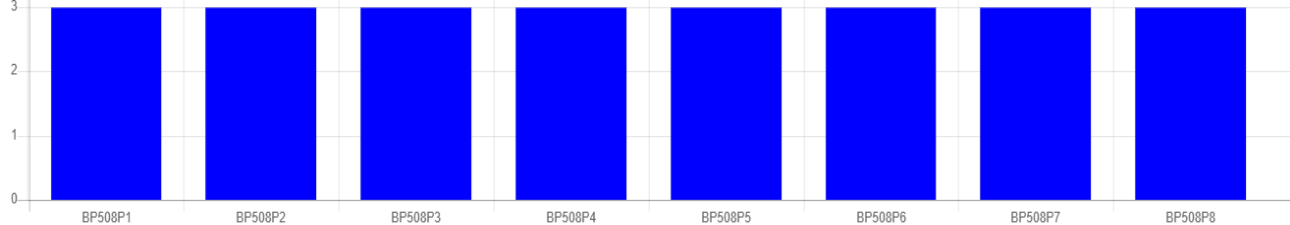
Batch [Batch B] External Assessment	Type	% Weightage	BP508P1	BP508P2	BP508P3	BP508P4	BP508P5	BP508P6	BP508P7	BP508P8
External [Batch B]	External	70	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.10
Percent course outcome weightage			70.00	70.00	70.00	70.00	70.00	70.00	70.00	70.00
Attainment as per percent weightage			2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
Final Attainment			3	3	3	3	3	3	3	3

Batch [Batch C] External Assessment	Type	% Weightage	BP508P1	BP508P2	BP508P3	BP508P4	BP508P5	BP508P6	BP508P7	BP508P8
External [Batch C]	External	70	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.10
Percent course outcome weightage			70.00	70.00	70.00	70.00	70.00	70.00	70.00	70.00
Attainment as per percent weightage			2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
Final Attainment			3	3	3	3	3	3	3	3

External Assessment Course Outcome Attainment Average

Course Outcome	BP508P1	BP508P2	BP508P3	BP508P4	BP508P5	BP508P6	BP508P7	BP508P8
Average	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00

SRB

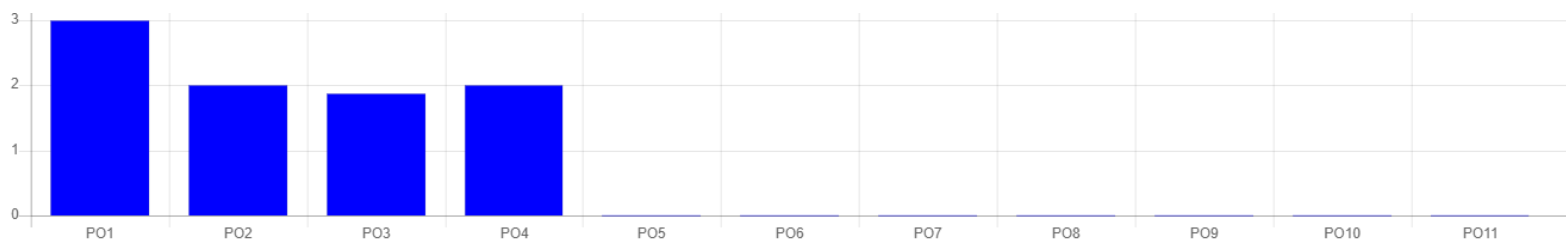


Direct Total Attainment

Course Outcome	Internal	External
BP508P1	3.00	3.00
BP508P2	3.00	3.00
BP508P3	3.00	3.00
BP508P4	3.00	3.00
BP508P5	3.00	3.00
BP508P6	3.00	3.00
BP508P7	3.00	3.00
BP508P8	3.00	3.00
Average	3.00	3.00
Weightage	30	70
Direct Total Attainment	0.90	2.10
Final Direct Course Attainment	3.00	

Final Attainment

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
Final Attainment	3.00	2.00	1.88	2.00							
Percentage	100.00	66.67	62.67	66.67							



578





RAJMATA JIJAU SHIKSHAN PRASARAK MANDAL'S
COLLEGE OF PHARMACY (B.Pharm.)

Approved by PCI, AICTE, Govt. of Maharashtra & DTE
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CO-PO Attainment Report
(Sem - 6)
(A.Y. 2022-2023)



Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

B. Pharmacy [2022-23]

Course Outcome

Year : Third Year - Sem 6

Subject : Medicinal Chemistry III (BP601T)(Theory | Regular)

Sr. No.	CO Id	Course Outcome	PO/PSO	Cognitive Levels	Knowledge Categories
1	BP601T.1	Know the general aspects of design, history, nomenclature, MOA, therapeutic uses, and recent developments of drugs.	PO1, PO11	Remember, Understand	Factual
2	BP601T.2	Understand variety of drug classes and some pharmacological properties.	PO1, PO11	Remember, Understand, Apply	Factual, Conceptual, Criteria & Specifications
3	BP601T.3	Know the importance of SAR of drugs.	PO1, PO11	Remember, Understand, Apply, Analyse	Conceptual, Fundamental Design Principles, Criteria & Specifications
4	BP601T.4	Understand the chemistry of drugs with respect to their biological activity	PO1, PO11	Understand	Conceptual
5	BP601T.5	Understand the importance of drug design and different techniques of drug design.	PO1, PO4 PO11	Remember, Understand	Conceptual, Criteria & Specifications
6	BP601T.6	Understand the drug metabolic pathways, adverse effect and therapeutic value of drugs	PO1, PO11	Understand	Factual, Conceptual
7	BP601T.7	Understand synthesis of some important class of drugs.	PO1, PO11	Understand, Apply, Analyse, Create	Conceptual, Procedural, Fundamental Design Principles
8	BP601T.8	Acquire knowledge on thrust areas for further research.	PO1, PO11	Apply, Create	Conceptual, Fundamental Design Principles, Practical Constraints, Factual





Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

B. Pharmacy [2022-23]

CO PO Desired Mapping Report

Year : Third Year - Sem 6

Subject : Medicinal Chemistry III (BP601T) - Theory

Faculty : PROF. A.N. PHUGE

Course Outcome Details

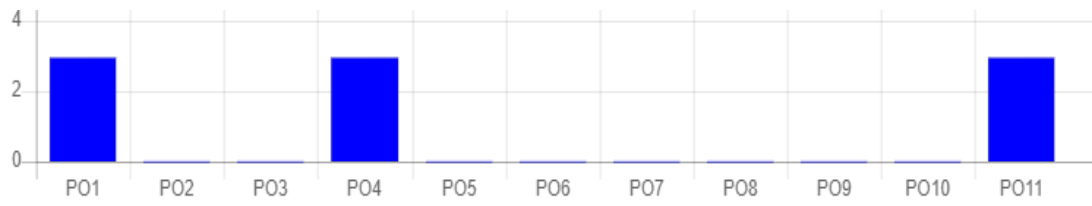
#	Course Outcome	Description
1	BP601T.1	Know the general aspects of design, history, nomenclature, MOA, therapeutic uses, and recent developments of drugs.
2	BP601T.2	Understand variety of drug classes and some pharmacological properties.
3	BP601T.3	Know the importance of SAR of drugs.
4	BP601T.4	Understand the chemistry of drugs with respect to their biological activity
5	BP601T.5	Understand the importance of drug design and different techniques of drug design.
6	BP601T.6	Understand the drug metabolic pathways, adverse effect and therapeutic value of drugs
7	BP601T.7	Understand synthesis of some important class of drugs.
8	BP601T.8	Acquire knowledge on thrust areas for further research.

Desired Attainment Details

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BP601T.1	3										3
BP601T.2	3										3
BP601T.3	3										3
BP601T.4	3										3
BP601T.5	3			3							3
BP601T.6	3										3
BP601T.7	3										3
BP601T.8	3										3

Average	3.00			3.00								3.00
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Desired Attainment Average : 3.00



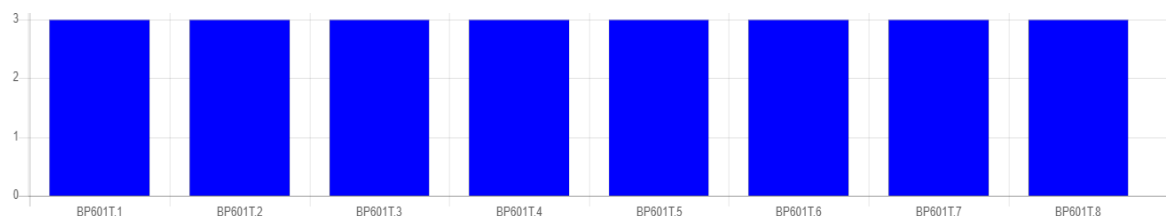


Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

Medicinal Chemistry III (BP601T) - Theory (2022-23) [PROF. A.N. PHUGE]

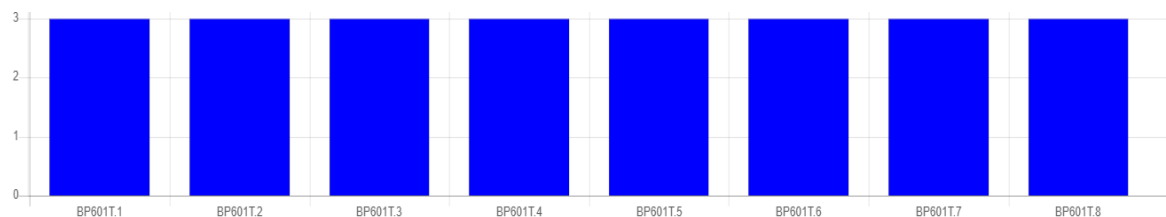
Internal Assessment

Title	Type	% Weightage	BP601T.1	BP601T.2	BP601T.3	BP601T.4	BP601T.5	BP601T.6	BP601T.7	BP601T.8
Internal Marks	Internal	25	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
Percent course outcome weightage			25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00
Attainment as per percent weightage			0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
Final attainment			3	3	3	3	3	3	3	3



External Assessment

Title	Type	% Weightage	BP601T.1	BP601T.2	BP601T.3	BP601T.4	BP601T.5	BP601T.6	BP601T.7	BP601T.8
External Marks	External	75	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25
Percent course outcome weightage			75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00
Attainment as per percent weightage			2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25
Final attainment			3	3	3	3	3	3	3	3

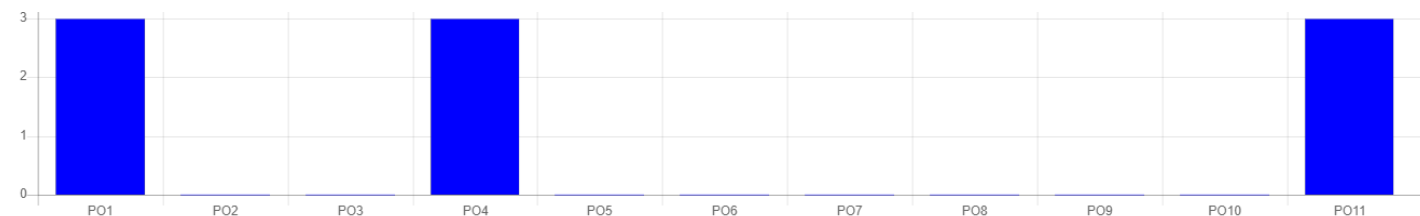


Direct Total Attainment

Course Outcome	Internal	External
BP601T.1	3.00	3.00
BP601T.2	3.00	3.00
BP601T.3	3.00	3.00
BP601T.4	3.00	3.00
BP601T.5	3.00	3.00
BP601T.6	3.00	3.00
BP601T.7	3.00	3.00
BP601T.8	3.00	3.00
Average	3.00	3.00
Weightage	25	75
Direct Total Attainment	0.75	2.25
Final Direct Course Attainment	3.00	

Final Attainment

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
Final Attainment	3.00			3.00							3.00
Percentage	100.00			100.00							100.00





Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

B. Pharmacy [2022-23]

Course Outcome

Year : Third Year - Sem 6

Subject : Pharmacology III (BP602T)(Theory | Regular)

Course Code : BP602T

Sr. No.	CO Id	Course Outcome	PO/PSO	Cognitive Levels	Knowledge Categories
1	BP602T1	Explain the mechanism of drug action and its relevance in the treatment of different infectious diseases	PO1, PO3, PO4, PO9	Remember, Understand	Factual, Conceptual
2	BP602T2	Illustrate the principles of toxicology	PO1, PO3, PO9	Remember, Understand	Factual, Conceptual
3	BP602T3	Discuss treatment of various poisonings	PO1, PO4, PO10, PO11	Remember, Apply	Factual, Conceptual
4	BP602T4	Analyse correlation of pharmacology with related medical sciences.	PO1, PO4, PO9	Remember, Understand	Factual, Conceptual
5	BP602T5	Explain the fundamental knowledge on various aspects (classification, mechanism of action, therapeutic effects, clinical uses, side effects and contraindications) of drugs acting on respiratory and gastrointestinal system, infectious diseases, immuno-pharmacology	PO1, PO3, PO4, PO11	Remember, Understand	Factual, Conceptual

Shakila

Shakila





Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

B. Pharmacy [2022-23]

CO PO Desired Mapping Report

Year : Third Year - Sem 6

Subject : Pharmacology III (BP602T) - Theory

Faculty : Sayali Kathale

Course Code : BP602T

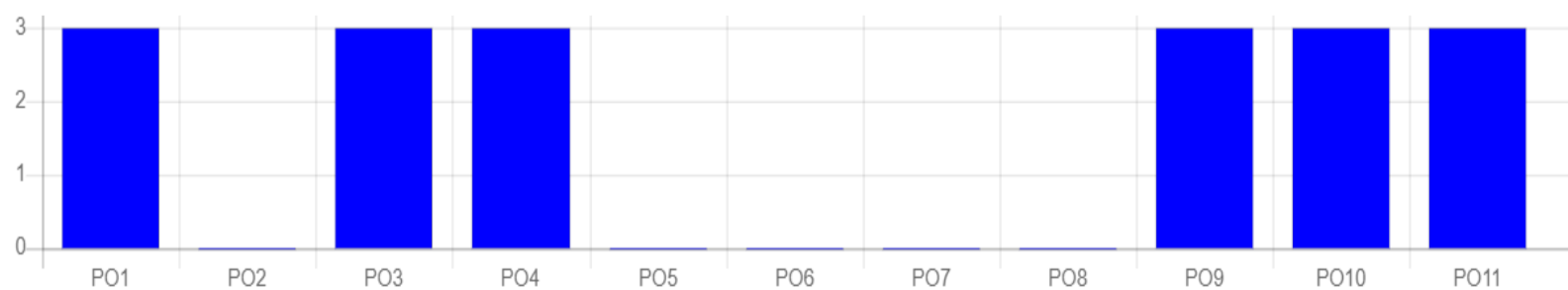
Course Outcome Details

#	Course Outcome	Description
1	BP602T1	Explain the mechanism of drug action and its relevance in the treatment of different infectious diseases
2	BP602T2	Illustrate the principles of toxicology
3	BP602T3	Discuss treatment of various poisonings
4	BP602T4	Analyse correlation of pharmacology with related medical sciences.
5	BP602T5	Explain the fundamental knowledge on various aspects (classification, mechanism of action, therapeutic effects, clinical uses, side effects and contraindications) of drugs acting on respiratory and gastrointestinal system, infectious diseases, immuno-pharmacology

Desired Attainment Details

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BP602T1	3		3	3					3		
BP602T2	3		3						3		
BP602T3	3			3						3	3
BP602T4	3			3					3		
BP602T5	3		3	3							3
Average	3.00		3.00	3.00					3.00	3.00	3.00

Desired Attainment Average : 3.00



Sayali Kathale



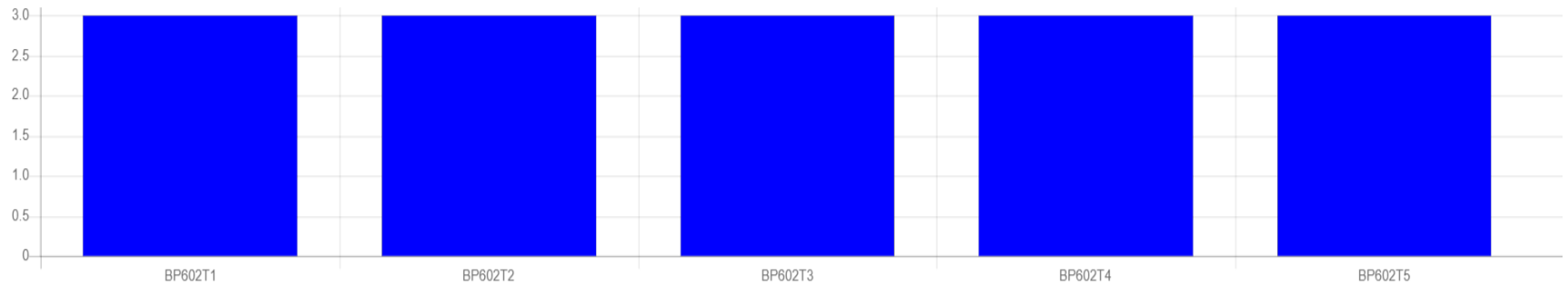


Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

Pharmacology III (BP602T) - Theory (2022-23) [Sayali Kathale]

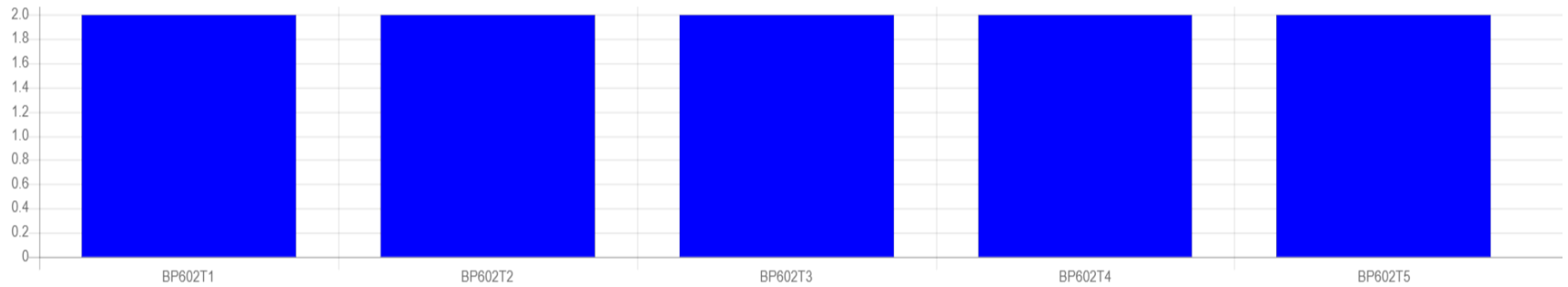
Internal Assessment

Title	Type	% Weightage	BP602T1	BP602T2	BP602T3	BP602T4	BP602T5
First sessional theory exam	Internal	100	3.00	3.00	3.00	3.00	3.00
Internal Marks	Internal	25	0.75	0.75	0.75	0.75	0.75
Percent course outcome weightage			125.00	125.00	125.00	125.00	125.00
Attainment as per percent weightage			3.75	3.75	3.75	3.75	3.75
Final attainment			3	3	3	3	3



External Assessment

Title	Type	% Weightage	BP602T1	BP602T2	BP602T3	BP602T4	BP602T5
External Marks	External	75	1.50	1.50	1.50	1.50	1.50
Percent course outcome weightage			75.00	75.00	75.00	75.00	75.00
Attainment as per percent weightage			1.5	1.5	1.5	1.5	1.5
Final attainment			2	2	2	2	2

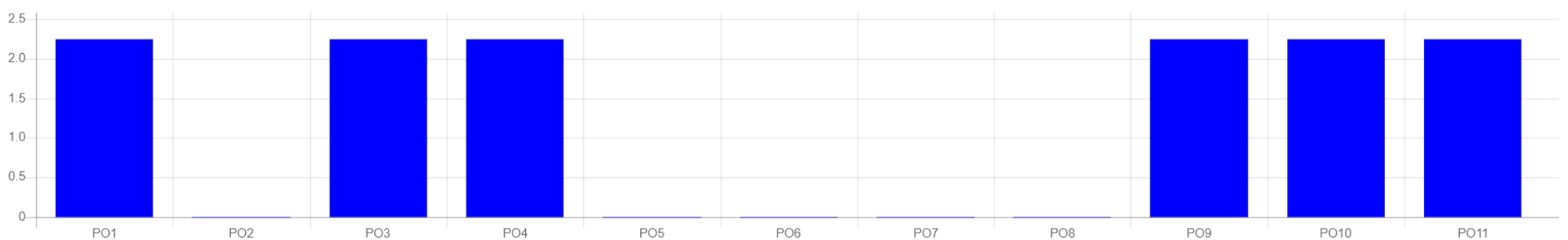


Direct Total Attainment

Course Outcome	Internal	External
BP602T1	3.00	2.00
BP602T2	3.00	2.00
BP602T3	3.00	2.00
BP602T4	3.00	2.00
BP602T5	3.00	2.00
Average	3.00	2.00
Weightage	25	75
Direct Total Attainment	0.75	1.50
Final Direct Course Attainment	2.25	

Final Attainment

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
Final Attainment	2.25		2.25	2.25					2.25	2.25	2.25
Percentage	75.00		75.00	75.00					75.00	75.00	75.00



Kathale





Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

B. Pharmacy [2022-23]

Course Outcome

Year : Third Year - Sem 6

Subject : Herbal Drug Technology (BP603T)(Theory | Regular)

Course Code : BP603T

Sr. No.	CO Id	Course Outcome	PO/PSO	Cognitive Levels	Knowledge Categories
1	BP603T1	Understand the raw material as source of herbal drug from cultivation of herbal drug product.	PO1, PO10	Remember, Understand, Apply, Create	Conceptual
2	BP603T2	Know the different Indian systems of medicines.	PO1, PO3, PO6, PO7, PO9	Remember, Understand, Apply, Analyse	Conceptual, Procedural
3	BP603T3	Understand the concept of nutraceutical and know the benefits of nutraceuticals in different aliments and study the herb drug interaction.	PO1, PO3, PO8, PO9	Remember, Understand, Apply	Factual, Conceptual
4	BP603T4	Understand the concept of herbal cosmetic with herbal excipients and herbal formulations.	PO1, PO4, PO10, PO11	Remember, Understand, Analyse	Factual, Conceptual
5	BP603T5	Know the WHO and ICH Guidelines of evaluation of herbal drugs	PO1, PO3, PO4, PO11	Remember, Understand, Apply, Analyse, Evaluate	Factual, Conceptual, Procedural
6	BP603T6	Know the patenting of herbal drug and GMP in herbal drug industry.	PO1, PO2, PO5, PO7	Remember, Understand, Apply, Create	Conceptual, Procedural, Criteria & Specifications, Factual

S.T.B.

J. S. Humal





Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

B. Pharmacy [2022-23]

CO PO Desired Mapping Report

Year : Third Year - Sem 6

Subject : Herbal Drug Technology (BP603T) - Theory

Faculty : PROF. SUHAS GHODEKAR

Course Code : BP603T

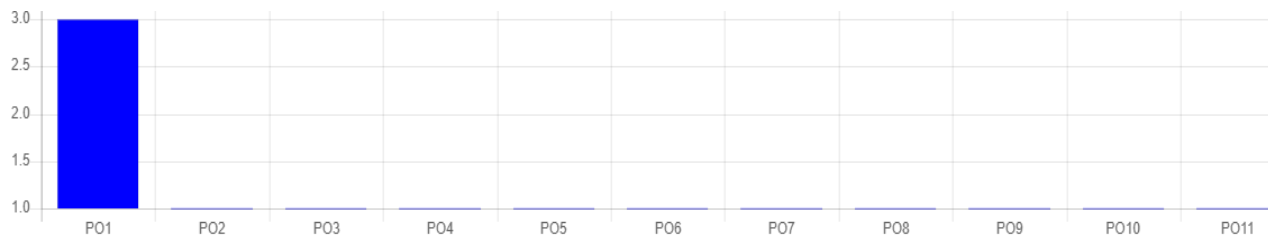
Course Outcome Details

#	Course Outcome	Description
1	BP603T1	Understand the raw material as source of herbal drug from cultivation of herbal drug product.
2	BP603T2	Know the different Indian systems of medicines.
3	BP603T3	Understand the concept of nutraceutical and know the benefits of nutraceuticals in different aliments and study the herb drug interaction.
4	BP603T4	Understand the concept of herbal cosmetic with herbal excipients and herbal formulations.
5	BP603T5	Know the WHO and ICH Guidelines of evaluation of herbal drugs
6	BP603T6	Know the patenting of herbal drug and GMP in herbal drug industry.

Desired Attainment Details

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BP603T1	3									1	
BP603T2	3		1			1	1		1		
BP603T3	3		1					1	1		
BP603T4	3			1						1	1
BP603T5	3		1	1							1
BP603T6	3	1			1		1				
Average	3.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Desired Attainment Average : 1.18



S.T.B.



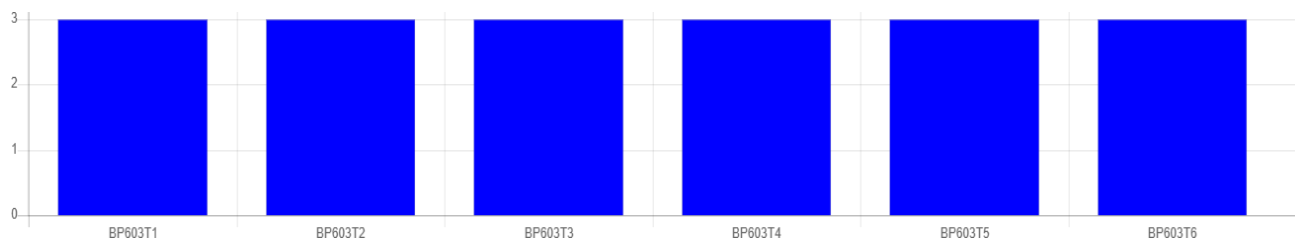


Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

Herbal Drug Technology (BP603T) - Theory (2022-23) [PROF. SUHAS GHODEKAR]

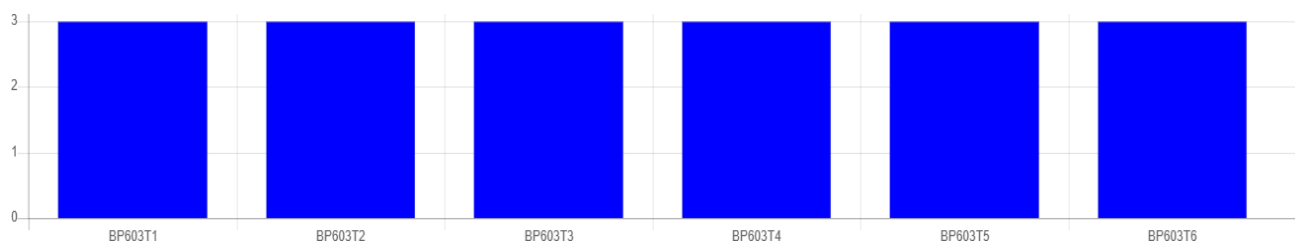
Internal Assessment

Title	Type	% Weightage	BP603T1	BP603T2	BP603T3	BP603T4	BP603T5	BP603T6
Internal Marks HDT	Internal	25	0.75	0.75	0.75	0.75	0.75	0.75
Percent course outcome weightage			25.00	25.00	25.00	25.00	25.00	25.00
Attainment as per percent weightage			0.75	0.75	0.75	0.75	0.75	0.75
Final attainment			3	3	3	3	3	3



External Assessment

Title	Type	% Weightage	BP603T1	BP603T2	BP603T3	BP603T4	BP603T5	BP603T6
External Marks HDT	External	70	2.10	2.10	2.10	2.10	2.10	2.10
Percent course outcome weightage			70.00	70.00	70.00	70.00	70.00	70.00
Attainment as per percent weightage			2.1	2.1	2.1	2.1	2.1	2.1
Final attainment			3	3	3	3	3	3

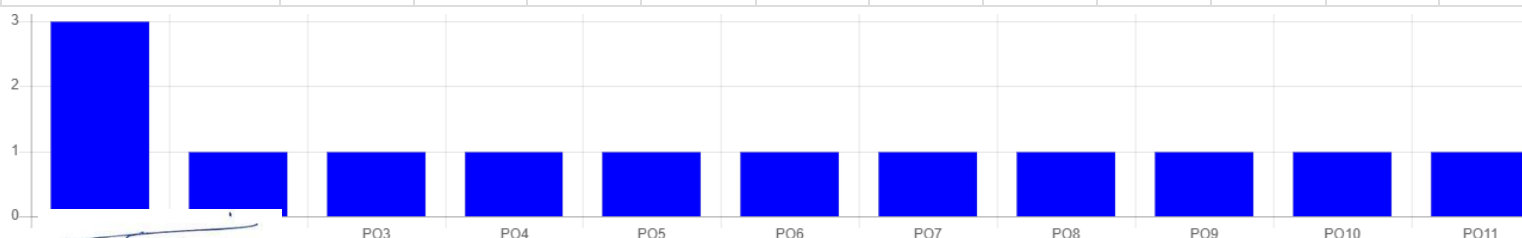


Direct Total Attainment

Course Outcome	Internal	External
BP603T1	3.00	3.00
BP603T2	3.00	3.00
BP603T3	3.00	3.00
BP603T4	3.00	3.00
BP603T5	3.00	3.00
BP603T6	3.00	3.00
Average	3.00	3.00
Weightage	25	75
Direct Total Attainment	0.75	2.25
Final Direct Course Attainment	3.00	

Final Attainment

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
Final Attainment	3.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Percentage	100.00	33.33	33.33	33.33	33.33	33.33	33.33	33.33	33.33	33.33	33.33





Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

B. Pharmacy [2022-23]

Course Outcome

Year : Third Year - Sem 6

Subject : Biopharmaceutics and Pharmacokinetics (BP604T)(Theory | Regular)

Course Code : BP604 T

Sr. No.	CO Id	Course Outcome	PO/PSO	Cognitive Levels	Knowledge Categories
1	BP604T.1	Understand the basic concepts in biopharmaceutics and pharmacokinetics and their significance.	PO1	Remember, Understand	Conceptual, Fundamental Design Principles
2	BP604T.2	Apply the knowledge plasma drug concentration-time data to calculate the pharmacokinetic parameters to describe the kinetics of drug absorption, distribution, metabolism, excretion, elimination	PO1, PO3, PO9	Remember, Understand, Apply	Factual, Conceptual, Meta-cognitive
3	BP604T.3	Understand the concepts of bioavailability and bioequivalence of drug products and their significance. Able to evaluate factors influencing the drug availability that correspondingly influence drug treatment efficacy.	PO1, PO6, PO7, PO9	Analyse, Evaluate	Conceptual, Criteria & Specifications, Practical Constraints
4	BP604T.4	Understand and explain various pharmacokinetic models and its applications.	PO1, PO4	Understand, Apply, Evaluate, Create	Conceptual, Procedural, Meta-cognitive, Practical Constraints
5	BP604T.5	Estimate the Non-linear pharmacokinetics with special reference to its assessment	PO1, PO3, PO4	Remember, Understand, Analyse, Evaluate	Conceptual, Meta-cognitive, Practical Constraints

Signature

Kumbha





Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

B. Pharmacy [2022-23]

CO PO Desired Mapping Report

Year : Third Year - Sem 6

Subject : Biopharmaceutics and Pharmacokinetics (BP604T) - Theory

Faculty : Prof. Amol Kumbhar

Course Code : BP604 T

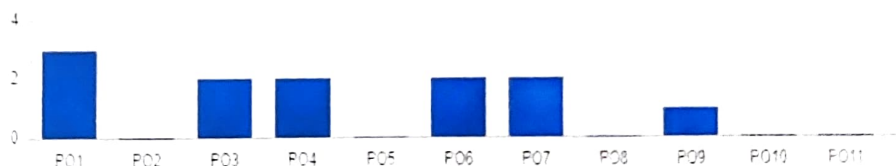
Course Outcome Details

#	Course Outcome	Description
1	BP604T.1	Understand the basic concepts in biopharmaceutics and pharmacokinetics and their significance.
2	BP604T.2	Apply the knowledge plasma drug concentration-time data to calculate the pharmacokinetic parameters to describe the kinetics of drug absorption, distribution, metabolism, excretion, elimination
3	BP604T.3	Understand the concepts of bioavailability and bioequivalence of drug products and their significance. Able to evaluate factors influencing the drug availability that correspondingly influence drug treatment efficacy.
4	BP604T.4	Understand and explain various pharmacokinetic models and its applications.
5	BP604T.5	Estimate the Non-linear pharmacokinetics with special reference to its assessment

Desired Attainment Details

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BP604T.1	3										
BP604T.2	3		2						1		
BP604T.3	3					2	2		1		
BP604T.4	3			2							
BP604T.5	3		2	2							
Average	3.00		2.00	2.00		2.00	2.00		1.00		

Desired Attainment Average : 2.00



AB Kumbhar
Mr. AB Kumbhar

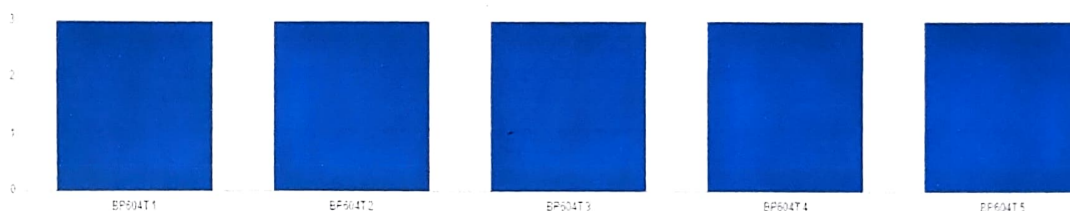


Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

Biopharmaceutics and Pharmacokinetics (BP604T) - Theory (2022-23) [Prof. Amol Kumbhar]

Internal Assessment

Title	Type	% Weightage	BP604T.1	BP604T.2	BP604T.3	BP604T.4	BP604T.5
Internal Exam	Internal	25	0.75	0.75	0.75	0.75	0.75
Percent course outcome weightage			25.00	25.00	25.00	25.00	25.00
Attainment as per percent weightage			0.75	0.75	0.75	0.75	0.75
Final attainment			3	3	3	3	3



External Assessment

Title	Type	% Weightage	BP604T.1	BP604T.2	BP604T.3	BP604T.4	BP604T.5
External Exam 2023	External	75	1.50	1.50	1.50	1.50	1.50
Percent course outcome weightage			75.00	75.00	75.00	75.00	75.00
Attainment as per percent weightage			1.5	1.5	1.5	1.5	1.5
Final attainment			2	2	2	2	2

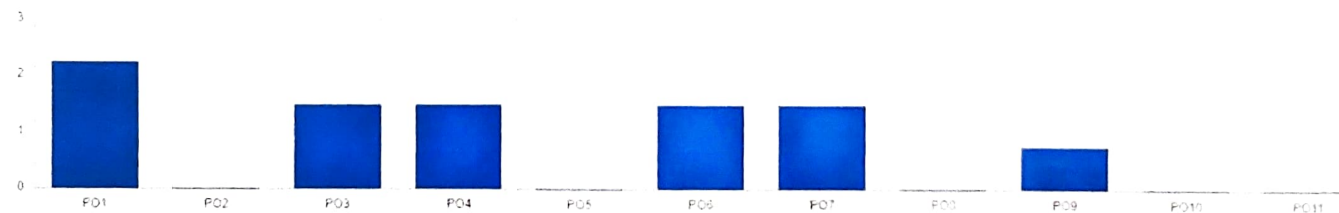


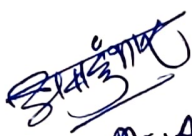
Direct Total Attainment

Course Outcome	Internal	External
BP604T.1	3.00	2.00
BP604T.2	3.00	2.00
BP604T.3	3.00	2.00
BP604T.4	3.00	2.00
BP604T.5	3.00	2.00
Average	3.00	2.00
Weightage	25	75
Direct Total Attainment	0.75	1.50
Final Direct Course Attainment		2.25

Final Attainment

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
Final Attainment	2.25		1.50	1.50		1.50	1.50		0.75		
Percentage	75.00		50.00	50.00		50.00	50.00		25.00		




 Mr. A.B. Kumbhar -
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Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

B. Pharmacy [2022-23]

Course Outcome

Year : Third Year - Sem 6

Subject : Pharmaceutical Biotechnology (BP605T)(Theory | Regular)

Course Code : BP605T

Sr. No.	CO Id	Course Outcome	PO/PSO	Cognitive Levels	Knowledge Categories
1	BP605T.1	Understanding the importance of Immobilized enzymes in Pharmaceutical Industries	PO1, PO10, PO11	Remember, Understand, Apply	Factual, Conceptual, Procedural
2	BP605T.2	Genetic engineering applications in relation to production of pharmaceuticals	PO1, PO10, PO11	Remember, Understand, Apply	Factual, Conceptual, Procedural, Practical Constraints
3	BP605T.3	Importance of Monoclonal antibodies in Industries	PO1, PO10, PO11	Remember, Understand, Apply, Create	Factual, Conceptual, Procedural, Factual
4	BP605T.4	Appreciate the use of microorganisms in fermentation technology	PO1, PO10, PO11	Remember, Understand, Apply, Analyse	Factual, Conceptual, Procedural

Vaidya

राजमाता





Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune
B. Pharmacy [2022-23]

CO PO Desired Mapping Report

Year : Third Year - Sem 6

Subject : Pharmaceutical Biotechnology (BP605T) - Theory

Faculty : Vipra Vaidya

Course Code : BP605T

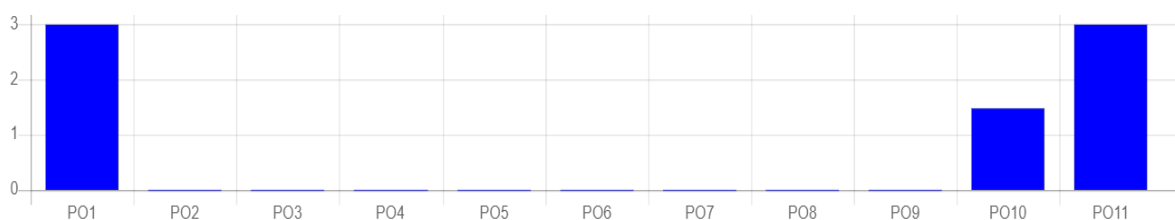
Course Outcome Details

#	Course Outcome	Description
1	BP605T.1	Understanding the importance of Immobilized enzymes in Pharmaceutical Industries
2	BP605T.2	Genetic engineering applications in relation to production of pharmaceuticals
3	BP605T.3	Importance of Monoclonal antibodies in Industries
4	BP605T.4	Appreciate the use of microorganisms in fermentation technology

Desired Attainment Details

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BP605T.1	3									1	3
BP605T.2	3									3	3
BP605T.3	3									1	3
BP605T.4	3									1	3
Average	3.00									1.50	3.00

Desired Attainment Average : 2.50



Vaidya



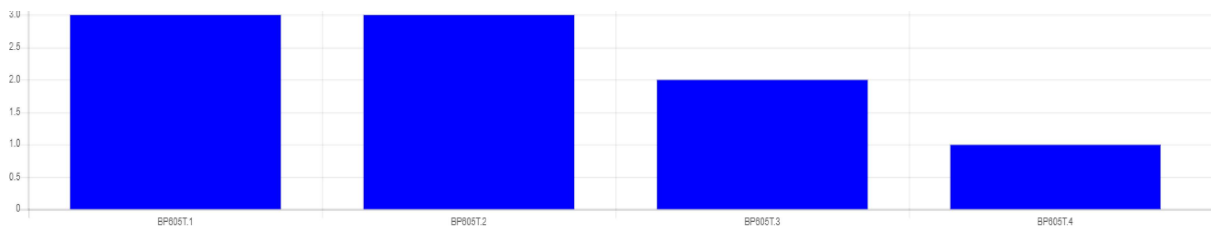


Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

Pharmaceutical Biotechnology (BP605T) - Theory (2022-23) [Vipra Vaidya]

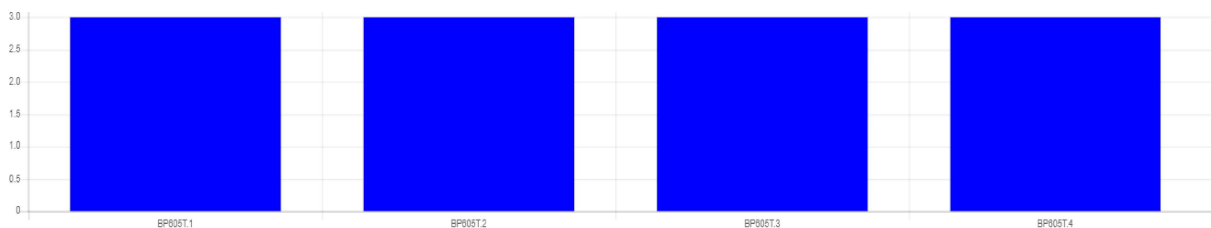
Internal Assessment

Title	Type	% Weightage	BP605T.1	BP605T.2	BP605T.3	BP605T.4
INTERNAL EXAMINATION MARKS	Internal	25	0.75	0.75	0.50	0.25
Percent course outcome weightage			25.00	25.00	25.00	25.00
Attainment as per percent weightage			0.75	0.75	0.50	0.25
Final attainment			3	3	2	1



External Assessment

Title	Type	% Weightage	BP605T.1	BP605T.2	BP605T.3	BP605T.4
External Examination	External	75	2.25	2.25	2.25	2.25
Percent course outcome weightage			75.00	75.00	75.00	75.00
Attainment as per percent weightage			2.25	2.25	2.25	2.25
Final attainment			3	3	3	3

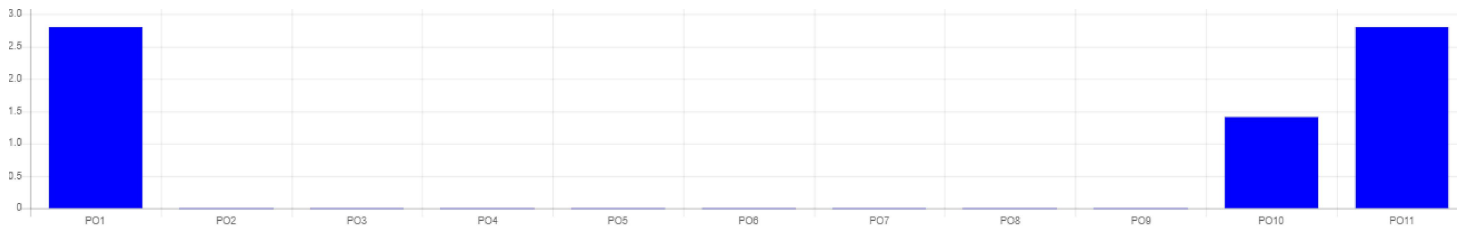


Direct Total Attainment

Course Outcome	Internal	External
BP605T.1	3.00	3.00
BP605T.2	3.00	3.00
BP605T.3	2.00	3.00
BP605T.4	1.00	3.00
Average	2.25	3.00
Weightage	25	75
Direct Total Attainment	0.56	2.25
Final Direct Course Attainment	2.81	

Final Attainment

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
Final Attainment	2.81									1.41	2.81
Percentage	93.67									47.00	93.67



Vaidya





Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

B. Pharmacy [2022-23]

Course Outcome

Year : Third Year - Sem 6

Subject : Quality Assurance (BP606T)(Theory | Regular)

Course Code : BP606T

Sr. No.	CO Id	Course Outcome	PO/PSO	Cognitive Levels	Knowledge Categories
1	BP606T.1	Understand the importance of quality in pharmaceutical products	PO1, PO9, PO11	Remember, Understand, Apply	Conceptual, Procedural
2	BP606T.2	Understands the regulatory aspects of pharmaceuticals	PO1, PO11	Remember, Understand, Apply	Conceptual, Procedural, Meta-cognitive
3	BP606T.3	Learn the process involved in manufacturing of pharmaceuticals in different section/department and their activities	PO1	Understand, Apply	Conceptual, Procedural, Fundamental Design Principles
4	BP606T.4	Describe various documentation process and concept of calibration and validation	PO1, PO3	Understand, Apply, Analyse	Conceptual, Procedural, Criteria & Specifications
5	BP606T.5	Know the responsibilities of QA & QC departments	PO1, PO11	Understand, Apply	Factual, Procedural
6	BP606T.6	Understand the scope of quality certifications applicable to pharmaceutical industries	PO1, PO11	Understand, Apply	Conceptual, Procedural, Meta-cognitive, Criteria & Specifications

Jijau

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Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

B. Pharmacy [2022-23]

CO PO Desired Mapping Report

Year : Third Year - Sem 6

Subject : Quality Assurance (BP606T) - Theory

Faculty : Nilakshi Nerkar

Course Code : BP606T

Course Outcome Details

#	Course Outcome	Description
1	BP606T.1	Understand the importance of quality in pharmaceutical products
2	BP606T.2	Understands the regulatory aspects of pharmaceuticals
3	BP606T.3	Learn the process involved in manufacturing of pharmaceuticals in different section/department and their activities
4	BP606T.4	Describe various documentation process and concept of calibration and validation
5	BP606T.5	Know the responsibilities of QA & QC departments
6	BP606T.6	Understand the scope of quality certifications applicable to pharmaceutical industries

Desired Attainment Details

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BP606T.1	3								1		1
BP606T.2	3										1
BP606T.3	3										
BP606T.4	3		1								
BP606T.5	3										1
BP606T.6	3										1
Average	3.00	3.00	1.00						1.00		1.00

Desired Attainment Average : 1.80



Nilakshi Nerkar



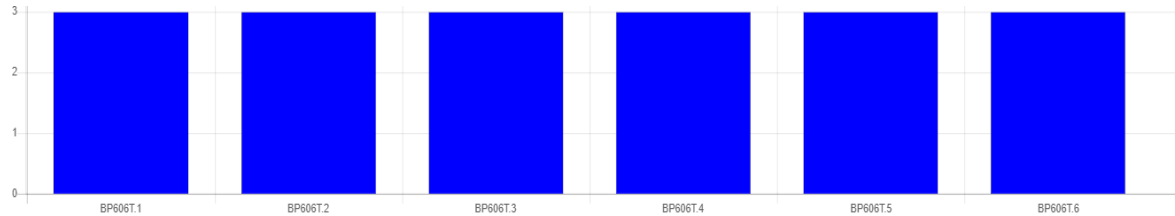


Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

Quality Assurance (BP606T) - Theory (2022-23) [Nilakshi Nerkar]

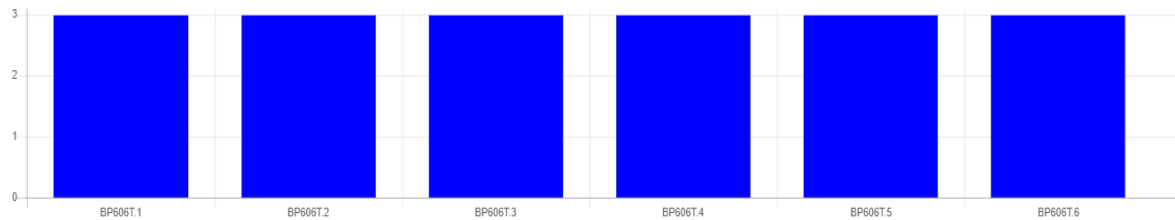
Internal Assessment

Title	Type	% Weightage	BP606T.1	BP606T.2	BP606T.3	BP606T.4	BP606T.5	BP606T.6
Internal Marks	Internal	25	0.75	0.75	0.75	0.75	0.75	0.75
Percent course outcome weightage			25.00	25.00	25.00	25.00	25.00	25.00
Attainment as per percent weightage			0.75	0.75	0.75	0.75	0.75	0.75
Final attainment			3	3	3	3	3	3



External Assessment

Title	Type	% Weightage	BP606T.1	BP606T.2	BP606T.3	BP606T.4	BP606T.5	BP606T.6
External Marks	External	75	2.25	2.25	2.25	2.25	2.25	2.25
Percent course outcome weightage			75.00	75.00	75.00	75.00	75.00	75.00
Attainment as per percent weightage			2.25	2.25	2.25	2.25	2.25	2.25
Final attainment			3	3	3	3	3	3

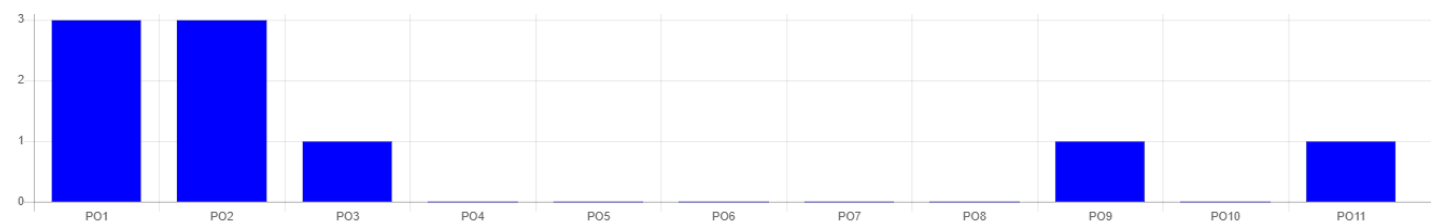


Direct Total Attainment

Course Outcome	Internal	External
BP606T.1	3.00	3.00
BP606T.2	3.00	3.00
BP606T.3	3.00	3.00
BP606T.4	3.00	3.00
BP606T.5	3.00	3.00
BP606T.6	3.00	3.00
Average	3.00	3.00
Weightage	25	75
Direct Total Attainment	0.75	2.25
Final Direct Course Attainment	3.00	

Final Attainment

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
Final Attainment	3.00	3.00	1.00						1.00		1.00
Percentage	100.00	100.00	33.33						33.33		33.33



Nilakshi Nerkar





Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

B. Pharmacy [2022-23]

Course Outcome

Year : Third Year - Sem 6

Subject : Medicinal chemistry III (BP607P)(Practical | Regular)

Course Code : BP607P

Sr. No.	CO Id	Course Outcome	PO/PSO	Cognitive Levels	Knowledge Categories
1	BP607P.1	Understand use of various equipments and safety measures while working in medicinal chemistry laboratory.	PO1, PO11	Understand	Factual, Conceptual, Practical Constraints
2	BP607P.2	Perform synthesis of medicinally important compounds/ drug intermediates.	PO1, PO11	Apply	Conceptual, Fundamental Design Principles, Practical Constraints
3	BP607P.3	Understand reaction scheme, mechanism and theory involved in synthesis of medicinally important organic compounds.	PO1, PO11	Understand	Conceptual
4	BP607P.4	Draw chemical structures and reactions by Chem draw software.	PO1, PO4, PO11	Remember, Apply	Factual, Fundamental Design Principles, Practical Constraints
5	BP607P.5	Explain the physicochemical properties of drugs using drug design software.	PO1, PO4, PO11	Understand	Factual, Conceptual





Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune
B. Pharmacy [2022-23]

CO PO Desired Mapping Report

Year : Third Year - Sem 6

Subject : Medicinal chemistry III (BP607P) - Practical

Faculty : Prof. A.n. Phuge, Saroja Adepawar

Course Code : BP607P

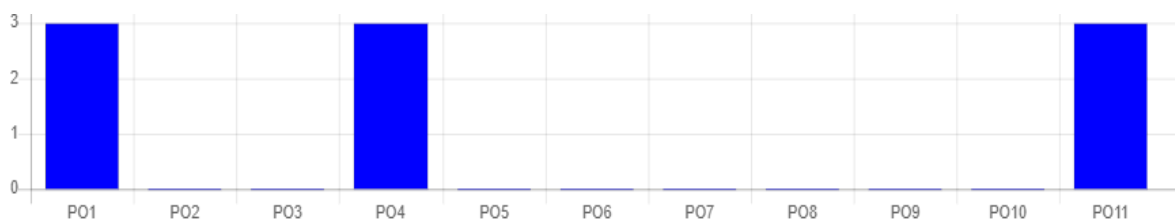
Course Outcome Details

#	Course Outcome	Description
1	BP607P.1	Understand use of various equipments and safety measures while working in medicinal chemistry laboratory.
2	BP607P.2	Perform synthesis of medicinally important compounds/ drug intermediates.
3	BP607P.3	Understand reaction scheme, mechanism and theory involved in synthesis of medicinally important organic compounds.
4	BP607P.4	Draw chemical structures and reactions by Chem draw software.
5	BP607P.5	Explain the physicochemical properties of drugs using drug design software.

Desired Attainment Details

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BP607P.1	3										3
BP607P.2	3										3
BP607P.3	3										3
BP607P.4	3			3							3
BP607P.5	3			3							3
Average	3.00			3.00							3.00

Desired Attainment Average : 3.00





Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

Medicinal chemistry III (BP607P) - Practical (2022-23) [Prof. A.n. Phuge] [Prof. A.n. Phuge] [Saroja Adepawar]

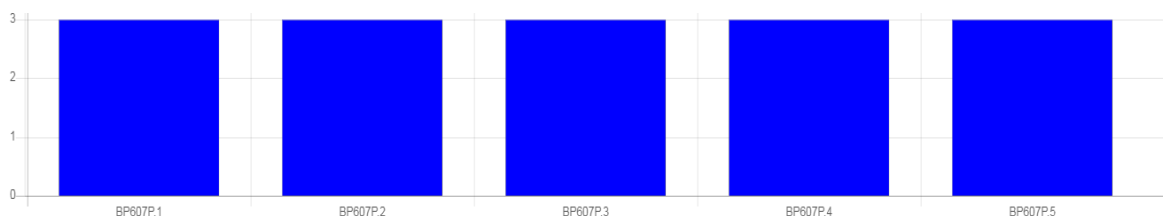
Internal Assessment

Batch [Batch C] Internal Assessment	Type	% Weightage	BP607P.1	BP607P.2	BP607P.3	BP607P.4	BP607P.5
Internal Marks [Batch C]	Internal	30	0.90	0.90	0.90	0.90	0.90
Percent course outcome weightage			30.00	30.00	30.00	30.00	30.00
Attainment as per percent weightage			0.9	0.9	0.9	0.9	0.9
Final Attainment			3	3	3	3	3

Batch [Batch A, Batch B, Batch C] Internal Assessment	Type	% Weightage	BP607P.1	BP607P.2	BP607P.3	BP607P.4	BP607P.5
Internal Marks [Batch A, Batch B, Batch C]	Internal	30	0.90	0.90	0.90	0.90	0.90
Percent course outcome weightage			30.00	30.00	30.00	30.00	30.00
Attainment as per percent weightage			0.9	0.9	0.9	0.9	0.9
Final Attainment			3	3	3	3	3

Internal Assessment Course Outcome Attainment Average

Course Outcome	BP607P.1	BP607P.2	BP607P.3	BP607P.4	BP607P.5
Average	3.00	3.00	3.00	3.00	3.00



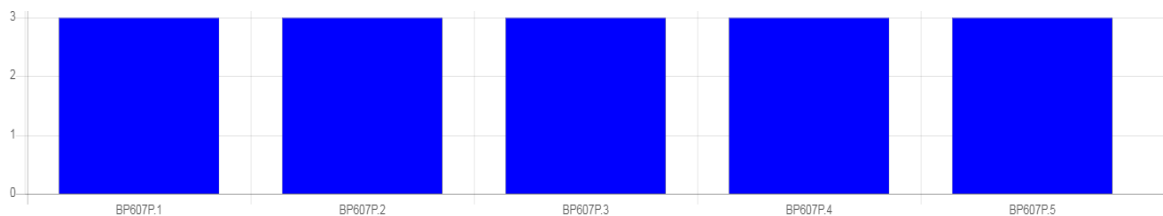
External Assessment

Batch [Batch C] External Assessment	Type	% Weightage	BP607P.1	BP607P.2	BP607P.3	BP607P.4	BP607P.5
External Marks [Batch C]	External	70	2.10	2.10	2.10	2.10	2.10
Percent course outcome weightage			70.00	70.00	70.00	70.00	70.00
Attainment as per percent weightage			2.1	2.1	2.1	2.1	2.1
Final Attainment			3	3	3	3	3

Batch [Batch A, Batch B, Batch C] External Assessment	Type	% Weightage	BP607P.1	BP607P.2	BP607P.3	BP607P.4	BP607P.5
External Marks [Batch A, Batch B, Batch C]	External	70	2.10	2.10	2.10	2.10	2.10
Percent course outcome weightage			70.00	70.00	70.00	70.00	70.00
Attainment as per percent weightage			2.1	2.1	2.1	2.1	2.1
Final Attainment			3	3	3	3	3

External Assessment Course Outcome Attainment Average

Course Outcome	BP607P.1	BP607P.2	BP607P.3	BP607P.4	BP607P.5
Average	3.00	3.00	3.00	3.00	3.00



Direct Total Attainment

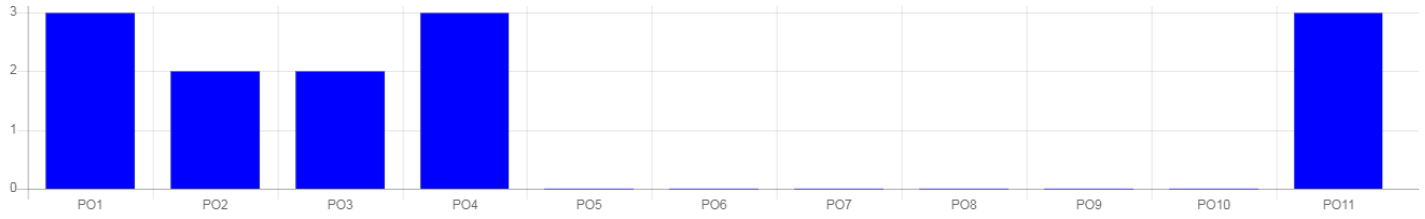
Course Outcome	Internal	External
BP607P.1	3.00	3.00
BP607P.2	3.00	3.00
BP607P.3	3.00	3.00
BP607P.4	3.00	3.00

Saroja Adepawar

BP607P.5	3.00	3.00
Average	3.00	3.00
Weightage	25	75
Direct Total Attainment	0.75	2.25
Final Direct Course Attainment	3.00	

Final Attainment

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
Final Attainment	3.00	2.00	2.00	3.00							3.00
Percentage	100.00	66.67	66.67	100.00							100.00



H. J. J. J.





Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

B. Pharmacy [2022-23]

Course Outcome

Year : Third Year - Sem 6

Subject : Pharmacology III (BP608P)(Practical | Regular)

Course Code : 608P

Sr. No.	CO Id	Course Outcome	PO/PSO	Cognitive Levels	Knowledge Categories
1	BP608P1	Learn dose calculations in pharmacological practical	PO1, PO3, PO4	Understand, Apply, Analyse, Evaluate	Factual, Conceptual, Procedural, Practical Constraints, Factual
2	BP608P2	Determine the anti-ulcer and anti-allergic activity	PO1, PO4, PO5, PO11	Understand, Apply, Analyse, Evaluate	Factual, Conceptual, Practical Constraints, Factual
3	BP608P3	Study the effects of the drug on gastrointestinal motility and saline purgative on frog intestine	PO1, PO3, PO4, PO11	Understand, Analyse, Evaluate	Conceptual, Procedural, Criteria & Specifications, Practical Constraints
4	BP608P4	Study the effect of agonist and antagonist	PO1, PO2, PO4, PO11	Understand, Apply, Analyse, Evaluate	Factual, Conceptual, Practical Constraints
5	BP608P5	Write and learn applications of different biostatistical methods	PO1, PO2, PO3, PO4	Remember, Understand, Apply, Analyse, Evaluate	Factual, Conceptual, Criteria & Specifications, Practical Constraints





Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

B. Pharmacy [2022-23]

CO PO Desired Mapping Report

Year : Third Year - Sem 6

Subject : Pharmacology III (BP608P) - Practical

Faculty : Sayali Kathale, Dhanshri Kachare

Course Code : 608P

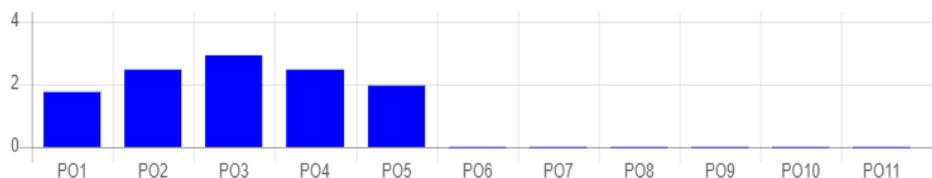
Course Outcome Details

#	Course Outcome	Description
1	BP608P1	Learn dose calculations in pharmacological practical
2	BP608P2	Determine the anti-ulcer and anti-allergic activity
3	BP608P3	Study the effects of the drug on gastrointestinal motility and saline purgative on frog intestine
4	BP608P4	Study the effect of agonist and antagonist
5	BP608P5	Write and learn applications of different biostatistical methods

Desired Attainment Details

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BP608P1	1		3	2							
BP608P2	2			3	2						
BP608P3	2		3	3							
BP608P4	2	3		2							
BP608P5	2	2	3								
Average	1.80	2.50	3.00	2.50	2.00						

Desired Attainment Average : 2.36





Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

Pharmacology III (BP608P) - Practical (2022-23) [Sayali Kathale] [Sayali Kathale] [Dhanshri Kachare]

Internal Assessment

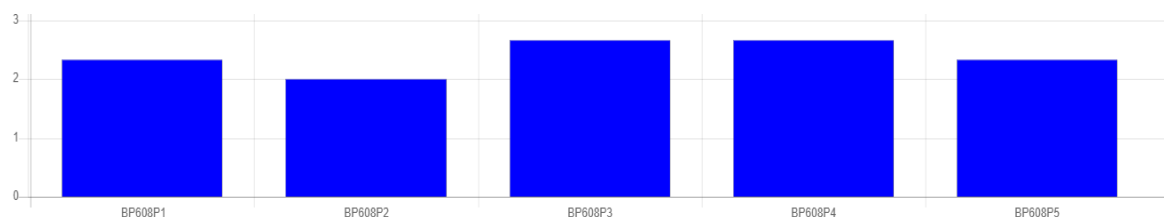
Batch [Batch A] Internal Assessment	Type	% Weightage	BP608P1	BP608P2	BP608P3	BP608P4	BP608P5
Internal Practical Exam [Batch A]	Internal	30	0.60	0.60	0.60	0.60	0.60
Percent course outcome weightage			30.00	30.00	30.00	30.00	30.00
Attainment as per percent weightage			0.6	0.6	0.6	0.6	0.6
Final Attainment			2	2	2	2	2

Batch [Batch B] Internal Assessment	Type	% Weightage	BP608P1	BP608P2	BP608P3	BP608P4	BP608P5
Internal Practical Exam [Batch B]	Internal	30	0.90	0.60	0.90	0.90	0.90
Percent course outcome weightage			30.00	30.00	30.00	30.00	30.00
Attainment as per percent weightage			0.9	0.6	0.9	0.9	0.9
Final Attainment			3	2	3	3	3

Batch [Batch C] Internal Assessment	Type	% Weightage	BP608P1	BP608P2	BP608P3	BP608P4	BP608P5
Internal Marks [Batch C]	Internal	30	0.60	0.60	0.90	0.90	0.60
Percent course outcome weightage			30.00	30.00	30.00	30.00	30.00
Attainment as per percent weightage			0.6	0.6	0.9	0.9	0.6
Final Attainment			2	2	3	3	2

Internal Assessment Course Outcome Attainment Average

Course Outcome	BP608P1	BP608P2	BP608P3	BP608P4	BP608P5
Average	2.33	2.00	2.67	2.67	2.33



External Assessment

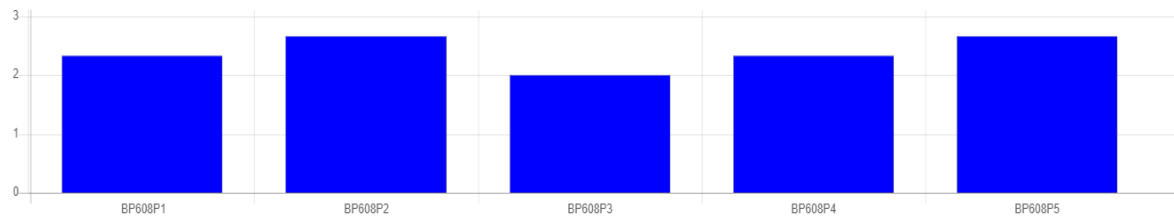
Batch [Batch A] External Assessment	Type	% Weightage	BP608P1	BP608P2	BP608P3	BP608P4	BP608P5
External Practical Exam [Batch A]	External	70	1.40	1.40	1.40	1.40	1.40
Percent course outcome weightage			70.00	70.00	70.00	70.00	70.00
Attainment as per percent weightage			1.4	1.4	1.4	1.4	1.4
Final Attainment			2	2	2	2	2

Batch [Batch B] External Assessment	Type	% Weightage	BP608P1	BP608P2	BP608P3	BP608P4	BP608P5
External Practical Exam [Batch B]	External	70	2.10	2.10	2.10	2.10	2.10
Percent course outcome weightage			70.00	70.00	70.00	70.00	70.00
Attainment as per percent weightage			2.1	2.1	2.1	2.1	2.1
Final Attainment			3	3	3	3	3

Batch [Batch C] External Assessment	Type	% Weightage	BP608P1	BP608P2	BP608P3	BP608P4	BP608P5
External marks [Batch C]	External	70	1.40	2.10	0.70	1.40	2.10
Percent course outcome weightage			70.00	70.00	70.00	70.00	70.00
Attainment as per percent weightage			1.4	2.1	0.7	1.4	2.1
Final Attainment			2	3	1	2	3

External Assessment Course Outcome Attainment Average

Course Outcome	BP608P1	BP608P2	BP608P3	BP608P4	BP608P5
Average	2.33	2.67	2.00	2.33	2.67

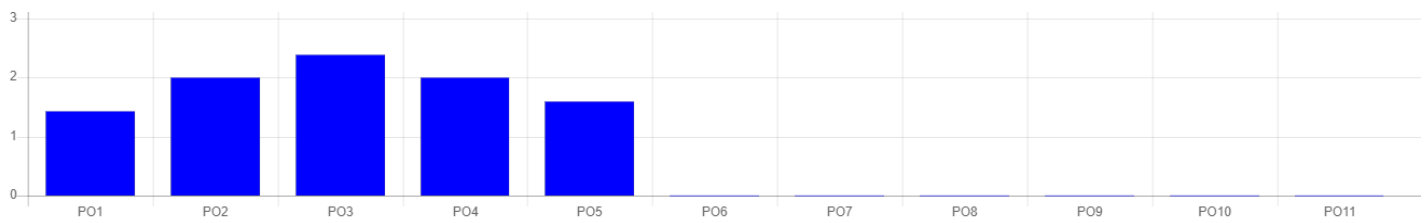


Direct Total Attainment

Course Outcome	Internal	External
BP608P1	2.33	2.33
BP608P2	2.00	2.67
BP608P3	2.67	2.00
BP608P4	2.67	2.33
BP608P5	2.33	2.67
Average	2.40	2.40
Weightage	25	75
Direct Total Attainment	0.60	1.80
Final Direct Course Attainment	2.40	

Final Attainment

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
Final Attainment	1.44	2.00	2.40	2.00	1.60						
Percentage	48.00	66.67	80.00	66.67	53.33						





Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

B. Pharmacy [2022-23]

Course Outcome

Year : Third Year - Sem 6

Subject : Herbal Drug Technology (BP609P)(Practical | Regular)

Course Code : BP609P

Sr. No.	CO Id	Course Outcome	PO/PSO	Cognitive Levels	Knowledge Categories
1	BP609P1	Understand the concept of preliminary phytochemical screening with ability of performing different identification test.	PO1, PO2, PO3, PO4, PO11	Remember, Understand, Apply, Analyse, Evaluate	Conceptual, Procedural, Practical Constraints
2	BP609P2	Determine the alcohol content and evaluate the excipients in different herbal preparations.	PO1, PO2, PO3, PO4, PO6	Remember, Understand, Apply, Analyse, Evaluate	Conceptual, Procedural, Practical Constraints
3	BP609P3	Preparation and standardization of extract and different herbal dosage forms..	PO1, PO2, PO4, PO9, PO10, PO11	Understand, Apply, Analyse, Evaluate, Create	Factual, Conceptual, Procedural, Practical Constraints
4	BP609P4	Study the monograph of analysis of herbal drugs from recent pharmacopoeias.	PO1, PO2, PO4, PO7, PO8, PO11	Remember, Understand, Apply, Analyse, Evaluate	Conceptual, Procedural, Criteria & Specifications, Practical Constraints
5	BP609P5	Determine the different chemical constituents in crude drug.	PO1, PO2, PO4, PO11	Remember, Apply, Analyse, Evaluate	Conceptual, Procedural, Practical Constraints
6	BP609P6	Determine the excipients of natural origing by chemical tests	PO1, PO3	Remember, Understand, Analyse, Evaluate	Practical Constraints

S.P.M.

J. S. Humal





Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

B. Pharmacy [2022-23]

CO PO Desired Mapping Report

Year : Third Year - Sem 6

Subject : Herbal Drug Technology (BP609P) - Practical **Faculty :**

Prof. Suhas Ghodekar, Mr. Omkar Haribhau Kolhe **Course Code :**

BP609P

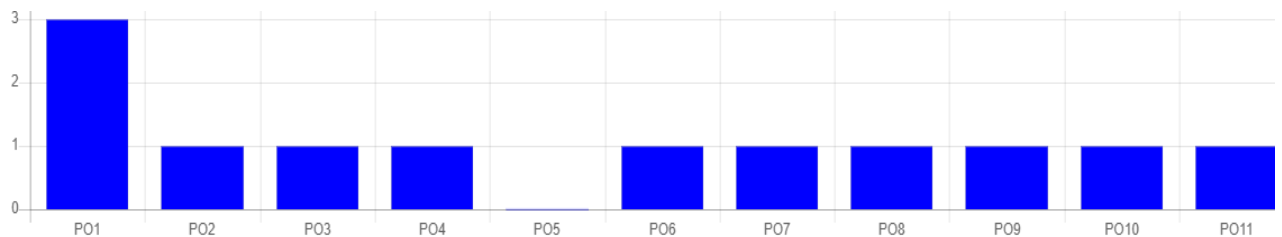
Course Outcome Details

#	Course Outcome	Description
1	BP609P1	Understand the concept of preliminary phytochemical screening with ability of performing different identification test.
2	BP609P2	Determine the alcohol content and evaluate the excipients in different herbal preparations.
3	BP609P3	Preparation and standardization of extract and different herbal dosage forms..
4	BP609P4	Study the monograph of analysis of herbal drugs from recent pharmacopoeias.
5	BP609P5	Determine the different chemical constituents in crude drug.
6	BP609P6	Determine the excipients of natural origin by chemical tests

Desired Attainment Details

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BP609P1	3	1	1	1							1
BP609P2	3	1	1	1		1					
BP609P3	3	1		1					1	1	1
BP609P4	3	1		1			1	1			1
BP609P5	3	1		1							1
BP609P6	3			1							
Average	3.00	1.00	1.00	1.00		1.00	1.00	1.00	1.00	1.00	1.00

Desired Attainment Average : 1.20



SFB





Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

Herbal Drug Technology (BP609P) - Practical (2022-23) [Prof. Suhas Ghodekar] [Mr. Omkar Haribhau Kolhe] [Prof. Suhas Ghodekar]

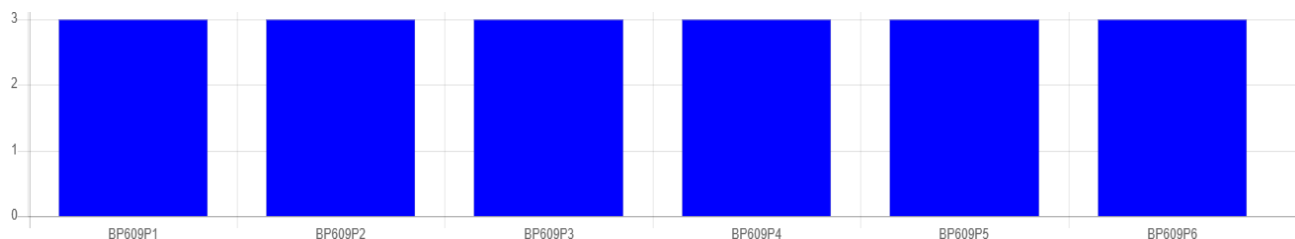
Internal Assessment

Batch [Batch B] Internal Assessment	Type	% Weightage	BP609P1	BP609P2	BP609P3	BP609P4	BP609P5	BP609P6
Internal Marks [Batch B]	Internal	30	0.90	0.90	0.90	0.90	0.90	0.90
Percent course outcome weightage			30.00	30.00	30.00	30.00	30.00	30.00
Attainment as per percent weightage			0.9	0.9	0.9	0.9	0.9	0.9
Final Attainment			3	3	3	3	3	3

Batch [Batch A, Batch B, Batch C] Internal Assessment	Type	% Weightage	BP609P1	BP609P2	BP609P3	BP609P4	BP609P5	BP609P6
HDT PR A and B Internal [Batch A, Batch B, Batch C]	Internal	30	0.90	0.90	0.90	0.90	0.90	0.90
Percent course outcome weightage			30.00	30.00	30.00	30.00	30.00	30.00
Attainment as per percent weightage			0.9	0.9	0.9	0.9	0.9	0.9
Final Attainment			3	3	3	3	3	3

Internal Assessment Course Outcome Attainment Average

Course Outcome	BP609P1	BP609P2	BP609P3	BP609P4	BP609P5	BP609P6
Average	3.00	3.00	3.00	3.00	3.00	3.00

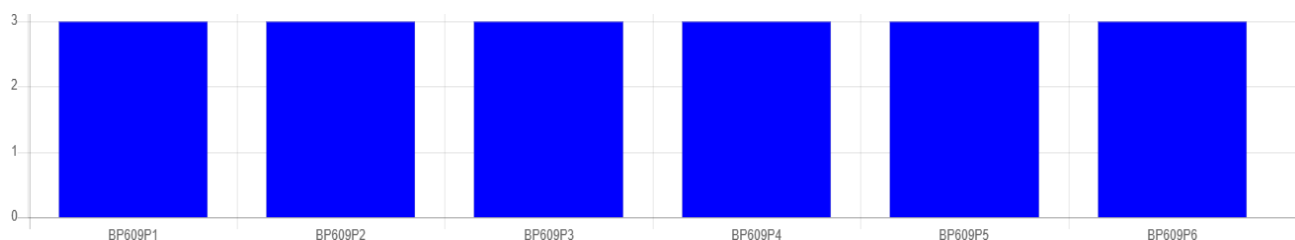


External Assessment

Batch [Batch A, Batch B, Batch C] External Assessment	Type	% Weightage	BP609P1	BP609P2	BP609P3	BP609P4	BP609P5	BP609P6
University marks hdt pr [Batch A, Batch B, Batch C]	External	70	2.10	2.10	2.10	2.10	2.10	2.10
Percent course outcome weightage			70.00	70.00	70.00	70.00	70.00	70.00
Attainment as per percent weightage			2.1	2.1	2.1	2.1	2.1	2.1
Final Attainment			3	3	3	3	3	3

External Assessment Course Outcome Attainment Average

Course Outcome	BP609P1	BP609P2	BP609P3	BP609P4	BP609P5	BP609P6
Average	3.00	3.00	3.00	3.00	3.00	3.00



Direct Total Attainment

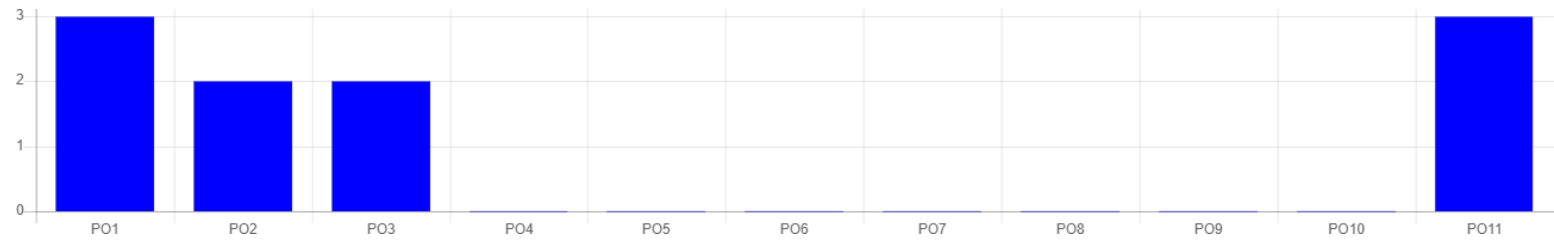
Course Outcome	Internal	External
BP609P1	3.00	3.00
BP609P2	3.00	3.00
BP609P3	3.00	3.00
BP609P4	3.00	3.00
BP609P5	3.00	3.00
BP609P6	3.00	3.00
Average	3.00	3.00

STB

Weightage	30	70
Direct Total Attainment	0.90	2.10
Final Direct Course Attainment	3.00	

Final Attainment

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
Final Attainment	3.00	2.00	2.00								3.00
Percentage	100.00	66.67	66.67								100.00



STB





RAJMATA JIJAU SHIKSHAN PRASARAK MANDAL'S
COLLEGE OF PHARMACY (B.Pharm.)

Approved by PCI, AICTE, Govt. of Maharashtra & DTE
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CO-PO Attainment Report
(Sem - 7)
(A.Y. 2022-2023)



Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

B. Pharmacy [2022-23]

Course Outcome

Year : Final Year - Sem 7

Subject : Instrumental Methods of Analysis (BP701T)(Theory | Regular)

Course Code : BP701T

Sr. No.	CO Id	Course Outcome	PO/PSO	Cognitive Levels	Knowledge Categories
1	BP701T1	Understand and explain the principle of analytical techniques.	PO1, PO11	Remember, Understand	Conceptual
2	BP701T2	Understand and explain the instrumentation of analytical techniques.	PO1, PO11	Remember, Understand	Procedural
3	BP701T3	Understand and explain the applications of analytical techniques.	PO1, PO11	Remember, Understand	Procedural
4	BP701T4	To interpret the given IR spectrum.	PO1	Remember, Understand, Apply	Conceptual, Procedural

7/11





Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune
B. Pharmacy [2022-23]

CO PO Desired Mapping Report

Year : Final Year - Sem 7

Subject : Instrumental Methods of Analysis (BP701T) - Theory

Faculty : Archana Thikekar, Dr. Kishor Jain

Course Code : BP701T

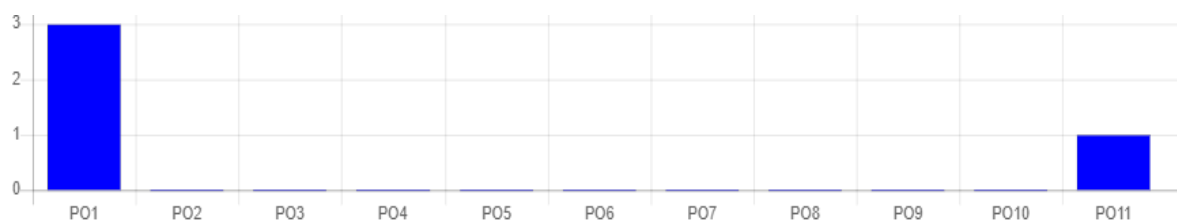
Course Outcome Details

#	Course Outcome	Description
1	BP701T1	Understand and explain the principle of analytical techniques.
2	BP701T2	Understand and explain the instrumentation of analytical techniques.
3	BP701T3	Understand and explain the applications of analytical techniques.
4	BP701T4	To interpret the given IR spectrum.

Desired Attainment Details

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BP701T1	3										1
BP701T2	3										1
BP701T3	3										1
BP701T4	3										
Average	3.00										1.00

Desired Attainment Average : 2.00





Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

Instrumental Methods of Analysis (BP701T) - Theory (2022-23) [Archana Thikekar] [Dr. Kishor Jain]

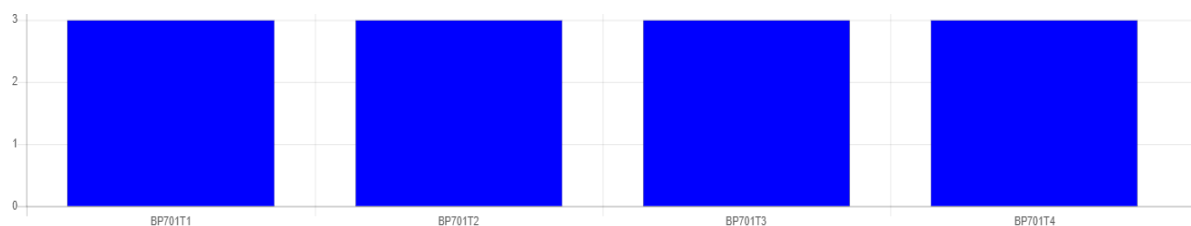
Internal Assessment

Title	Type	% Weightage	BP701T1	BP701T2	BP701T3	BP701T4
INTERNAL	Internal	25	0.75	0.75	0.75	0.75
Percent course outcome weightage			25.00	25.00	25.00	25.00
Attainment as per percent weightage			0.75	0.75	0.75	0.75
Final attainment			3	3	3	3



External Assessment

Title	Type	% Weightage	BP701T1	BP701T2	BP701T3	BP701T4
EXTERNAL	External	75	2.25	2.25	2.25	2.25
Percent course outcome weightage			75.00	75.00	75.00	75.00
Attainment as per percent weightage			2.25	2.25	2.25	2.25
Final attainment			3	3	3	3

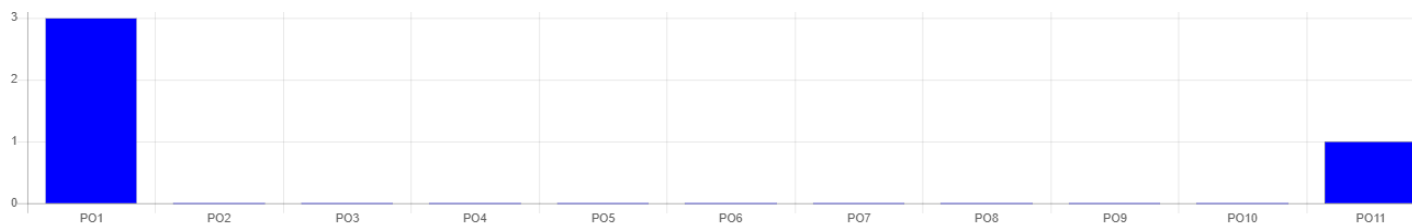


Direct Total Attainment

Course Outcome	Internal	External
BP701T1	3.00	3.00
BP701T2	3.00	3.00
BP701T3	3.00	3.00
BP701T4	3.00	3.00
Average	3.00	3.00
Weightage	25	75
Direct Total Attainment	0.75	2.25
Final Direct Course Attainment	3.00	

Final Attainment

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
Final Attainment	3.00										1.00
Percentage	100.00										33.33



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Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

B. Pharmacy [2022-23]

Course Outcome

Year : Final Year - Sem 7

Subject : Industrial Pharmacy-II (BP702T)(Theory | Regular)

Course Code : BP702T

Sr. No.	CO Id	Course Outcome	PO/PSO	Cognitive Levels	Knowledge Categories
1	BP702T.1	Know the process of pilot plant and scale up of pharmaceutical dosage forms.	PO1	Understand	Conceptual, Procedural
2	BP702T.2	Understand the process of technology transfer from lab scale to commercial batch.	PO1, PO6	Remember, Understand	Procedural
3	BP702T.3	Know different Laws and Acts that regulate pharmaceutical industry.	PO1, PO7	Remember, Apply	Procedural, Criteria & Specifications
4	BP702T.4	Understand the approval process and regulatory requirements for drug products.	PO1, PO2, PO7	Understand, Apply	Procedural, Criteria & Specifications
5	BP702T.5	Know about pharmaceutical product development and product movement from laboratory to market.	PO1, PO2, PO9	Understand, Apply	Procedural, Criteria & Specifications



Signature
Mr. A. B. Kumbhar



Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

B. Pharmacy [2022-23]

CO PO Desired Mapping Report

Year : Final Year - Sem 7

Subject : Industrial Pharmacy-II (BP702T) - Theory

Faculty : Prof.Amol Kumbhar

Course Code : BP702T

Course Outcome Details

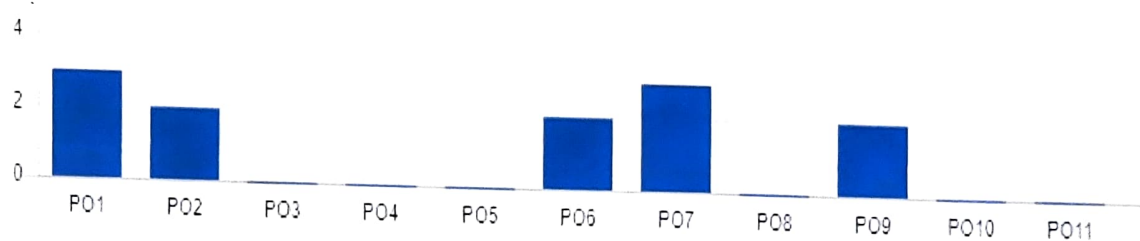
#	Course Outcome	Description
1	BP702T.1	Know the process of pilot plant and scale up of pharmaceutical dosage forms.
2	BP702T.2	Understand the process of technology transfer from lab scale to commercial batch.
3	BP702T.3	Know different Laws and Acts that regulate pharmaceutical industry.
4	BP702T.4	Understand the approval process and regulatory requirements for drug products.
5	BP702T.5	Know about pharmaceutical product development and product movement from laboratory to market.

Desired Attainment Details

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BP702T.1	3										
BP702T.2	3					2					
BP702T.3	3						3				
BP702T.4	3	2					3				
BP702T.5	3	2							2		
Average	3.00	2.00				2.00	3.00		2.00		

Desired Attainment Average : 2.40





STATISTICS
Mr. A B Kumbhar



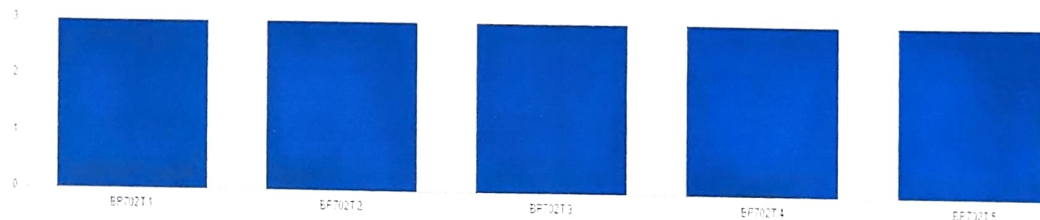


Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

Industrial Pharmacy-II (BP702T) - Theory (2022-23) [Prof.Amol Kumbhar]

Internal Assessment

Title	Type	% Weightage	BP702T.1	BP702T.2	BP702T.3	BP702T.4	BP702T.5
Internal Exam	Internal	25	0.75	0.75	0.75	0.75	0.75
Percent course outcome weightage			25.00	25.00	25.00	25.00	25.00
Attainment as per percent weightage			0.75	0.75	0.75	0.75	0.75
Final attainment			3	3	3	3	3



External Assessment

Title	Type	% Weightage	BP702T.1	BP702T.2	BP702T.3	BP702T.4	BP702T.5
External Exam SPPu	External	75	2.25	2.25	2.25	2.25	2.25
Percent course outcome weightage			75.00	75.00	75.00	75.00	75.00
Attainment as per percent weightage			2.25	2.25	2.25	2.25	2.25
Final attainment			3	3	3	3	3

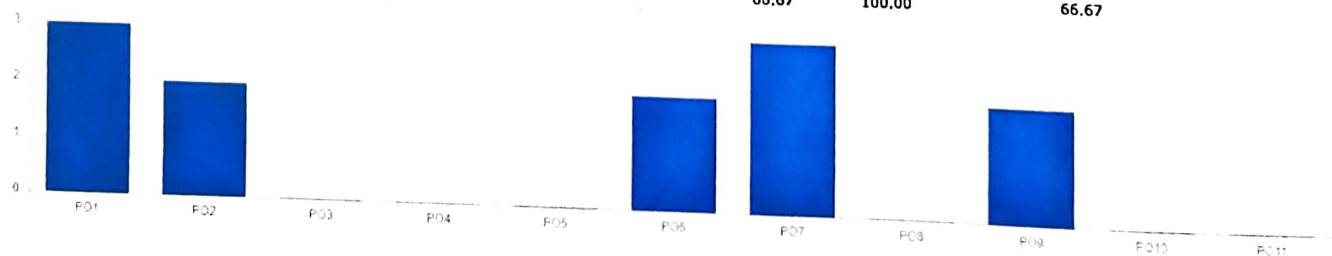


Direct Total Attainment

Course Outcome	Internal	External
BP702T.1		
BP702T.2	3.00	3.00
BP702T.3	3.00	3.00
BP702T.4	3.00	3.00
BP702T.5	3.00	3.00
Average	3.00	3.00
Weightage	3.00	3.00
Direct Total Attainment	25	75
Final Direct Course Attainment	0.75	2.25
		3.00

Final Attainment

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
Final Attainment	3.00	2.00				2.00	3.00		2.00		
Percentage	100.00	66.67				66.67	100.00		66.67		



Signature
Mr. AB Kumbhar



Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

B. Pharmacy [2022-23]

Course Outcome

Year : Final Year - Sem 7

Subject : Pharmacy Practice (BP703T)(Theory | Regular)

Course Code : BP703T

Sr. No.	CO Id	Course Outcome	PO/PSO	Cognitive Levels	Knowledge Categories
1	BP703T.1	Understand various drug distribution methods in a hospital and pharmaceutical care services.	PO1, PO9, PO11	Analyse	Factual, Procedural
2	BP703T.2	Understand the pharmacy stores management and inventory control.	PO1, PO2, PO9, PO11	Create	Conceptual, Procedural
3	BP703T.3	Examine drug therapy of patient through medication chart review and clinical review.	PO1, PO2, PO9, PO11	Understand	Factual
4	BP703T.4	Prepare medication history interview and counsel the patients.	PO1, PO8, PO9, PO11	Understand	Meta-cognitive
5	BP703T.5	Determine drug related problems and adverse drug reactions.	PO1, PO8, PO9, PO11	Evaluate	Conceptual
6	BP703T.6	Interpret selected laboratory results of specific disease states. (as monitoring parameters in therapeutics)	PO1, PO9, PO11	Understand	Conceptual
7	BP703T.7	Know pharmaceutical care services	PO1, PO9, PO11	Create	Procedural
8	BP703T.8	Do patient counseling in community pharmacy AND Appreciate the concept of Rational drug therapy.	PO1, PO8, PO9, PO11	Evaluate, Create	Conceptual, Procedural



Shakila

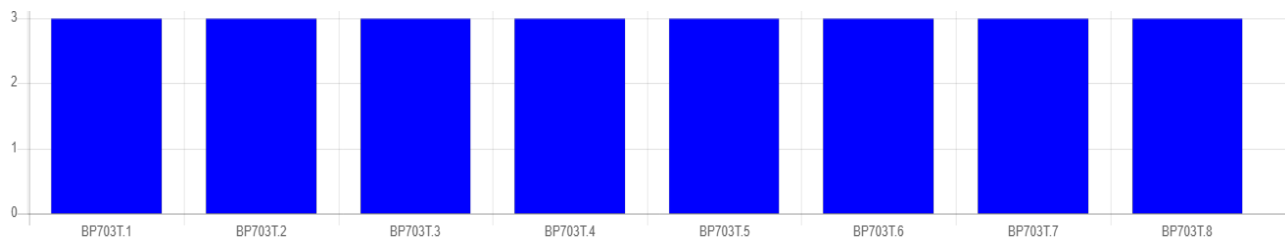


Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

Pharmacy Practice (BP703T) - Theory (2022-23) [Prof. Shakila Shabbeer Shaikh] [Shakila Shaikh]

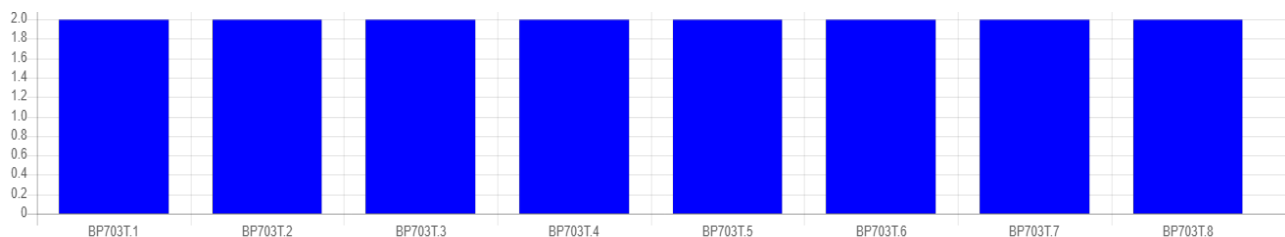
Internal Assessment

Title	Type	% Weightage	BP703T.1	BP703T.2	BP703T.3	BP703T.4	BP703T.5	BP703T.6	BP703T.7	BP703T.8
First sessional exam	Internal	25	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
Percent course outcome weightage			25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00
Attainment as per percent weightage			0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
Final attainment			3	3	3	3	3	3	3	3



External Assessment

Title	Type	% Weightage	BP703T.1	BP703T.2	BP703T.3	BP703T.4	BP703T.5	BP703T.6	BP703T.7	BP703T.8
End semester exam	External	75	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
Percent course outcome weightage			75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00
Attainment as per percent weightage			1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
Final attainment			2	2	2	2	2	2	2	2



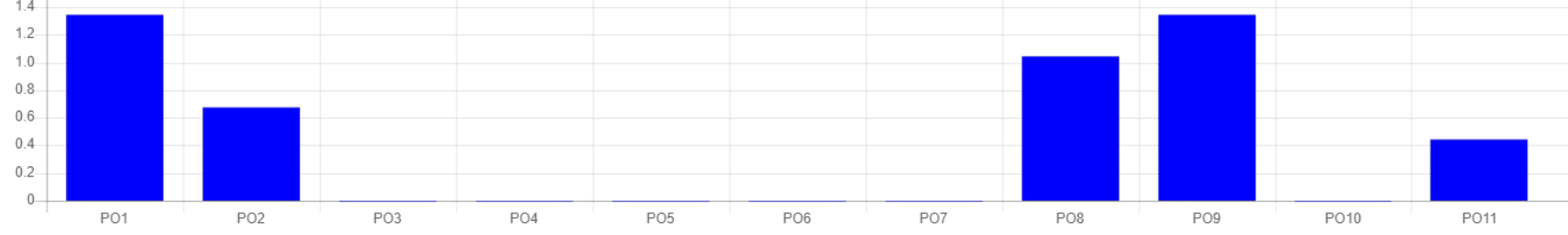
Direct Total Attainment

Course Outcome	Internal	External
BP703T.1	3.00	2.00
BP703T.2	3.00	2.00
BP703T.3	3.00	2.00
BP703T.4	3.00	2.00
BP703T.5	3.00	2.00
BP703T.6	3.00	2.00
BP703T.7	3.00	2.00
BP703T.8	3.00	2.00
Average	3.00	2.00
Weightage	25	30
Direct Total Attainment	0.75	0.60
Final Direct Course Attainment	1.35	

Final Attainment

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
Final Attainment	1.35	0.68						1.05	1.35		0.45
Percentage	45.00	22.67						35.00	45.00		15.00

Shakila



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Shakila



Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

B. Pharmacy [2022-23]

Course Outcome

Year : Final Year - Sem 7

Subject : Novel Drug Delivery System (BP704T)(Theory | Regular)

Course Code : BP704T

Sr. No.	CO Id	Course Outcome	PO/PSO	Cognitive Levels	Knowledge Categories
1	BP704T.1	Understand various approaches for development of novel drug delivery systems.	PO1, PO3	Understand, Apply, Create	Conceptual, Procedural, Practical Constraints
2	BP704T.2	Understand the criteria for selection of drugs and polymers for the development of novel drug delivery systems	PO1, PO4	Remember, Understand, Apply, Create	Conceptual, Procedural, Meta-cognitive, Fundamental Design Principles
3	BP704T.3	Understand the formulation and evaluation of transdermal, Mucosal, Ocular, Nasopulmonary, Gastroretentive and Intrauterine drug delivery systems.	PO1, PO4	Understand, Apply, Create	Conceptual, Procedural, Meta-cognitive, Practical Constraints
4	BP704T.4	Able to explain the concept & approaches of targeted drug delivery system including microencapsulation and implantable drug delivery systems.	PO1, PO3, PO4	Remember, Understand, Apply, Create	Conceptual, Meta-cognitive, Practical Constraints

Signature

Signature





Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

B. Pharmacy [2022-23]

CO PO Desired Mapping Report

Year : Final Year - Sem 7

Subject : Novel Drug Delivery System (BP704T) - Theory

Faculty : Prof. Shivraj Vilas Mane, Nilakshi Nerkar

Course Code : BP704T

Course Outcome Details

#	Course Outcome	Description
1	BP704T.1	Understand various approaches for development of novel drug delivery systems.
2	BP704T.2	Understand the criteria for selection of drugs and polymers for the development of novel drug delivery systems
3	BP704T.3	Understand the formulation and evaluation of transdermal, Mucosal, Ocular, Nasopulmonary, Gastroretentive and Intrauterine drug delivery systems.
4	BP704T.4	Able to explain the concept & approaches of targeted drug delivery system including microencapsulation and implantable drug delivery systems.

Desired Attainment Details

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BP704T.1	3		1								
BP704T.2	3			1							
BP704T.3	3			1							
BP704T.4	3		2	1							
Average	3.00		1.50	1.00							

Desired Attainment Average : 1.83



Shivraj Vilas Mane



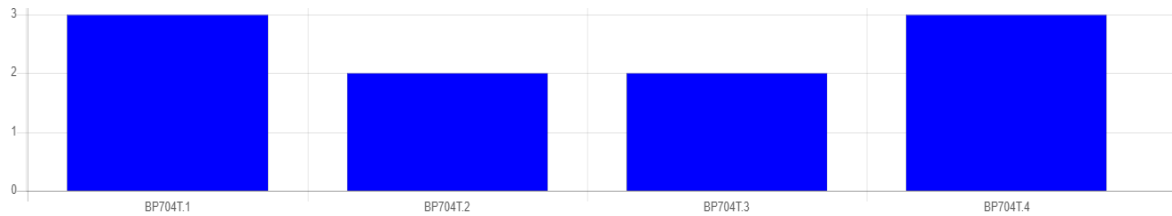


Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

Novel Drug Delivery System (BP704T) - Theory (2022-23) [Prof. Shivraj Vilas Mane] [Nilakshi Nerkar]

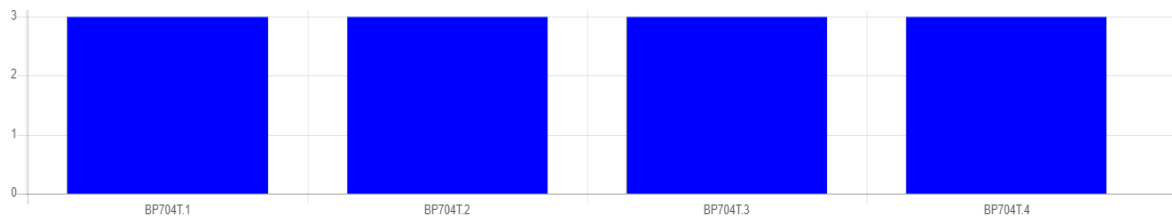
Internal Assessment

Title	Type	% Weightage	BP704T.1	BP704T.2	BP704T.3	BP704T
Internal marks	Internal	25	0.75	0.50	0.50	0.75
Percent course outcome weightage			25.00	25.00	25.00	25.00
Attainment as per percent weightage			0.75	0.50	0.50	0.75
Final attainment			3	2	2	3



External Assessment

Title	Type	% Weightage	BP704T.1	BP704T.2	BP704T.3	BP704T.4
External marks	External	75	2.25	2.25	2.25	2.25
Percent course outcome weightage			75.00	75.00	75.00	75.00
Attainment as per percent weightage			2.25	2.25	2.25	2.25
Final attainment			3	3	3	3

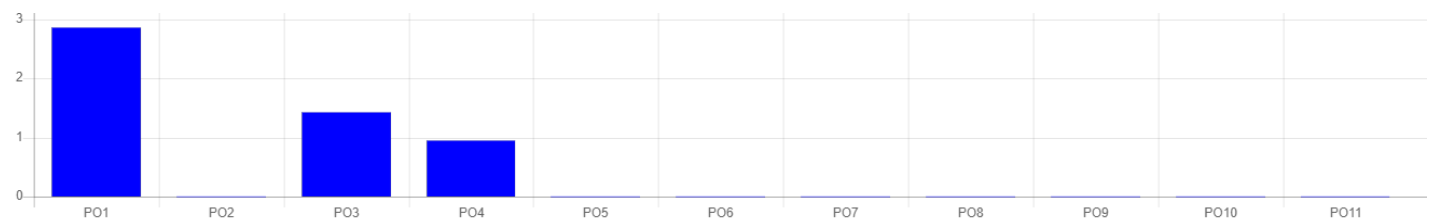


Direct Total Attainment

Course Outcome	Internal	External
BP704T.1	3.00	3.00
BP704T.2	2.00	3.00
BP704T.3	2.00	3.00
BP704T.4	3.00	3.00
Average	2.50	3.00
Weightage	25	75
Direct Total Attainment	0.63	2.25
Final Direct Course Attainment	2.88	

Final Attainment

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
Final Attainment	2.88		1.44	0.96							
Percentage	96.00		48.00	32.00							



Nilakshi Nerkar



Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

B. Pharmacy [2022-23]

Course Outcome

Year : Final Year - Sem 7

Subject : BP705P Instrumental Methods of Analysis(Practical | Regular)

Course Code : BP705P

Sr. No.	CO Id	Course Outcome	PO/PSO	Cognitive Levels	Knowledge Categories
1	BP705P.1	To understand the different types of instrumental analytical techniques available for quality control of APIs & formulations.	PO1, PO4, PO11	Remember, Understand, Apply	Conceptual, Procedural
2	BP705P.2	Quantification of API by using various instrumental methods of analysis.	PO1, PO4, PO11	Remember, Understand, Apply, Evaluate	Procedural
3	BP705P.3	Determination of functional group in the compound by using IR spectroscopy.	PO1	Understand, Apply, Analyse	Conceptual, Procedural
4	BP705P.4	Qualitative analysis by analytical techniques	PO1	Remember, Understand, Apply, Analyse	Conceptual, Procedural



7/11



Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune
B. Pharmacy [2022-23]

CO PO Desired Mapping Report

Year : Final Year - Sem 7

Subject : BP705P Instrumental Methods of Analysis - Practical

Faculty : Archana Thikekar

Course Code : BP705P

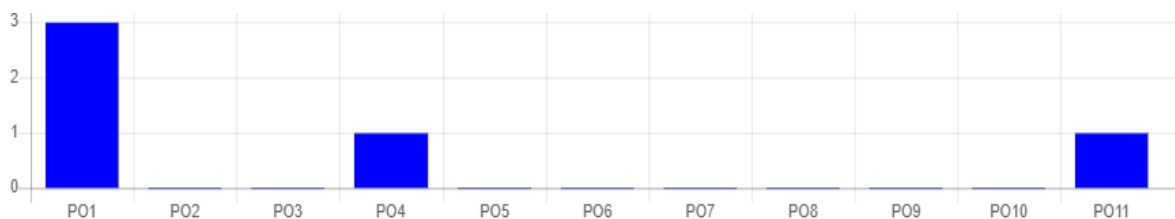
Course Outcome Details

#	Course Outcome	Description
1	BP705P.1	To understand the different types of instrumental analytical techniques available for quality control of APIs & formulations.
2	BP705P.2	Quantification of API by using various instrumental methods of analysis.
3	BP705P.3	Determination of functional group in the compound by using IR spectroscopy.
4	BP705P.4	Qualitative analysis by analytical techniques

Desired Attainment Details

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BP705P.1	3			1							1
BP705P.2	3			1							1
BP705P.3	3										
BP705P.4	3										
Average	3.00			1.00							1.00

Desired Attainment Average : 1.67





Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

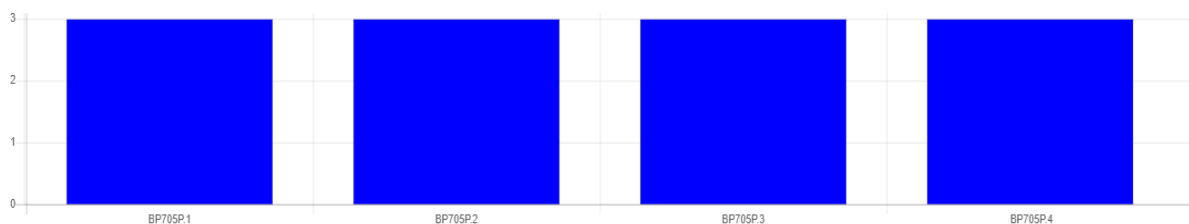
BP705P Instrumental Methods of Analysis - Practical (2022-23) [Archana Thiekar] [Archana Thiekar] [Archana Thiekar]

Internal Assessment

Batch [Batch A, Batch B, Batch C] Internal Assessment	Type	% Weightage	BP705P.1	BP705P.2	BP705P.3	BP705P.4
INTERNAL [Batch A, Batch B, Batch C]	Internal	30	0.90	0.90	0.90	0.90
Percent course outcome weightage			30.00	30.00	30.00	30.00
Attainment as per percent weightage			0.9	0.9	0.9	0.9
Final Attainment			3	3	3	3

Internal Assessment Course Outcome Attainment Average

Course Outcome	BP705P.1	BP705P.2	BP705P.3	BP705P.4
Average	3.00	3.00	3.00	3.00

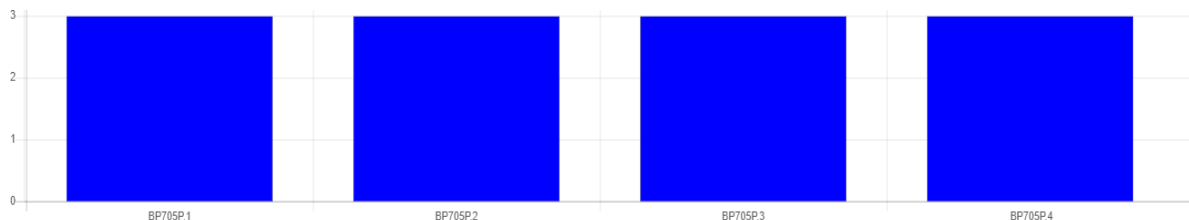


External Assessment

Batch [Batch A, Batch B, Batch C] External Assessment	Type	% Weightage	BP705P.1	BP705P.2	BP705P.3	BP705P.4
EXTERNAL [Batch A, Batch B, Batch C]	External	70	2.10	2.10	2.10	2.10
Percent course outcome weightage			70.00	70.00	70.00	70.00
Attainment as per percent weightage			2.1	2.1	2.1	2.1
Final Attainment			3	3	3	3

External Assessment Course Outcome Attainment Average

Course Outcome	BP705P.1	BP705P.2	BP705P.3	BP705P.4
Average	3.00	3.00	3.00	3.00



Direct Total Attainment

Course Outcome	Internal	External
BP705P.1	3.00	3.00
BP705P.2	3.00	3.00
BP705P.3	3.00	3.00
BP705P.4	3.00	3.00
Average	3.00	3.00
Weightage	30	70
Direct Total Attainment	0.90	2.10
Final Direct Course Attainment	3.00	

Please publish desired CO PO Mapping from Academic Planning module for respective subject.





RAJMATA JIJAU SHIKSHAN PRASARAK MANDAL'S
COLLEGE OF PHARMACY (B.Pharm.)

Approved by PCI, AICTE, Govt. of Maharashtra & DTE
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CO-PO Attainment Report
(Sem - 8)
(A.Y. 2022-2023)





Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

B. Pharmacy [2022-23]

Course Outcome

Year : Final Year - Sem 8

Subject : Biostatistics and Research Methodology (BP801T)(Theory | Regular)

Course Code : BP108T

Sr. No.	CO Id	Course Outcome	PO/PSO	Cognitive Levels	Knowledge Categories
1	BP801T.1	Understand the importance and concept of Statistics, Biostatistics, Measures of central tendency, Measures of dispersion and Correlation with pharmaceutical examples	PO1, PO3, PO7	Understand, Apply	Factual, Conceptual, Fundamental Design Principles
2	BP801T.2	Describe the concept and principal about Regression ,Probability ,Parametric test with pharmaceutical examples.	PO1, PO2, PO4, PO6, PO7, PO9	Understand, Analyse, Evaluate	Factual, Procedural, Criteria & Specifications
3	BP801T.3	Understand the importance of Parametric ,Non Parametric tests ,Research Need for research, Need for design of Experiments, Graphs ,Designing the methodology with Pharmaceutical Examples.	PO1, PO3, PO7, PO9	Analyse, Create	Factual, Conceptual, Criteria & Specifications
4	BP801T.4	Understand the importance of factorial design ,Regression modeling, Introduction to Practical components of Industrial and Clinical Trials Problems with pharmaceutical examples	PO1, PO3, PO4	Remember, Understand, Analyse	Factual, Procedural, Fundamental Design Principles
5	BP801T.5	Understand the concept and knowledge regarding Design and Analysis of experiments ,Factorial Design ,Response Surface methodology with pharmaceutical examples	PO1, PO3, PO7	Understand, Apply, Evaluate	Factual, Fundamental Design Principles, Criteria & Specifications





Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

B. Pharmacy [2022-23]

CO PO Desired Mapping Report

Year : Final Year - Sem 8

Subject : Biostatistics and Research Methodology (BP801T) - Theory

Faculty : Dhanshri kachare

Course Code : BP108T

Course Outcome Details

#	Course Outcome	Description
1	BP801T.1	Understand the importance and concept of Statistics, Biostatistics, Measures of central tendency, Measures of dispersion and Correlation with pharmaceutical examples
2	BP801T.2	Describe the concept and principal about Regression ,Probability ,Parametric test with pharmaceutical examples.
3	BP801T.3	Understand the importance of Parametric ,Non Parametric tests ,Research Need for research, Need for design of Experiments, Graphs ,Designing the methodology with Pharmaceutical Examples.
4	BP801T.4	Understand the importance of factorial design ,Regression modeling, Introduction to Practical components of Industrial and Clinical Trials Problems with pharmaceutical examples
5	BP801T.5	Understand the concept and knowledge regarding Design and Analysis of experiments ,Factorial Design ,Response Surface methodology with pharmaceutical examples

Desired Attainment Details

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BP801T.1	2										
BP801T.2	3	3		3		3	3		3		
BP801T.3	3		3				3		3		
BP801T.4			1								
BP801T.5								2			
Average	2.67	3.00	2.00	3.00		3.00	3.00	2.00	3.00		

Desired Attainment Average : 2.71



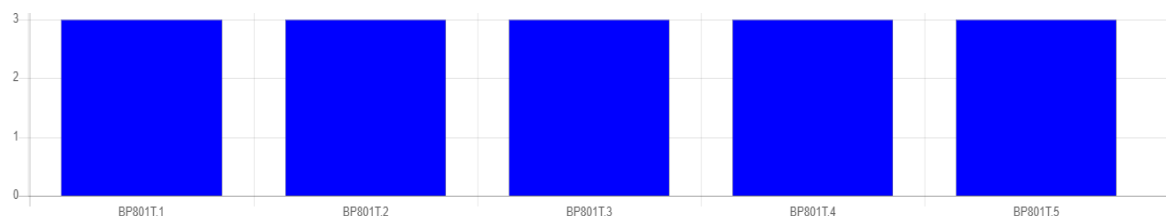


Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

Biostatistics and Research Methodology (BP801T) - Theory (2022-23) [Dhanshri kachare]

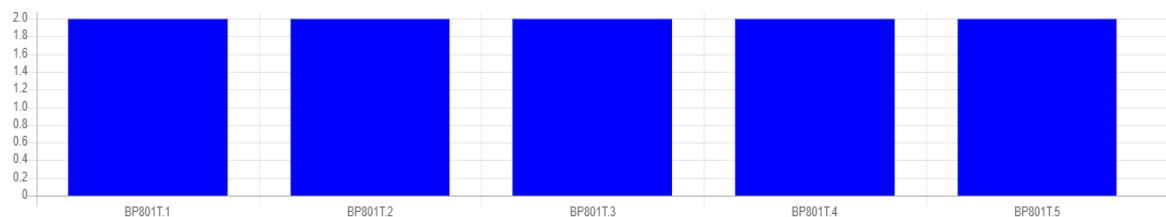
Internal Assessment

Title	Type	% Weightage	BP801T.1	BP801T.2	BP801T.3	BP801T.4	BP801T.5
Internal Marks	Internal	25	0.75	0.75	0.75	0.75	0.75
Percent course outcome weightage			25.00	25.00	25.00	25.00	25.00
Attainment as per percent weightage			0.75	0.75	0.75	0.75	0.75
Final attainment			3	3	3	3	3



External Assessment

Title	Type	% Weightage	BP801T.1	BP801T.2	BP801T.3	BP801T.4	BP801T.5
External Marks	External	75	1.50	1.50	1.50	1.50	1.50
Percent course outcome weightage			75.00	75.00	75.00	75.00	75.00
Attainment as per percent weightage			1.5	1.5	1.5	1.5	1.5
Final attainment			2	2	2	2	2

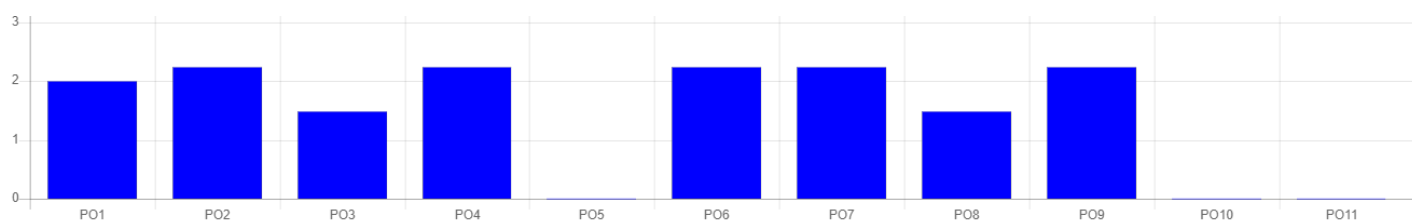


Direct Total Attainment

Course Outcome	Internal	External
BP801T.1	3.00	2.00
BP801T.2	3.00	2.00
BP801T.3	3.00	2.00
BP801T.4	3.00	2.00
BP801T.5	3.00	2.00
Average	3.00	2.00
Weightage	25	75
Direct Total Attainment	0.75	1.50
Final Direct Course Attainment	2.25	

Final Attainment

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
Final Attainment	2.00	2.25	1.50	2.25		2.25	2.25	1.50	2.25		
Percentage	66.67	75.00	50.00	75.00		75.00	75.00	50.00	75.00		





Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

B. Pharmacy [2022-23]

Course Outcome

Year : Final Year - Sem 8

Subject : Social and Preventive Pharmacy (BP802T)(Theory | Regular)

Course Code : BP802T

Sr. No.	CO Id	Course Outcome	PO/PSO	Cognitive Levels	Knowledge Categories
1	BP802T.1	Understand the concept of health and disease	PO1, PO3, PO6	Understand, Analyse	Practical Constraints
2	BP802T.2	Acquire high consciousness/realization of current issues related to health and pharmaceutical problems within the country and worldwide	PO1, PO3, PO6, PO8, PO9, PO11	Understand	Factual
3	BP802T.3	Know about Personal hygiene and health	PO1, PO6, PO8, PO9, PO11	Apply	Procedural, Practical Constraints
4	BP802T.4	Implementing general principles of prevention and control of diseases	PO1, PO3, PO6, PO7, PO8, PO9, PO11	Apply, Analyse, Evaluate	Factual, Conceptual, Practical Constraints
5	BP802T.5	Explain national health programs, its objectives, functioning and outcome	PO1, PO3, PO6, PO7, PO9, PO11	Understand, Create	Fundamental Design Principles





Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

B. Pharmacy [2022-23]

CO PO Desired Mapping Report

Year : Final Year - Sem 8

Subject : Social and Preventive Pharmacy (BP802T) - Theory

Faculty : Arti Zumber Gite

Course Code : BP802T

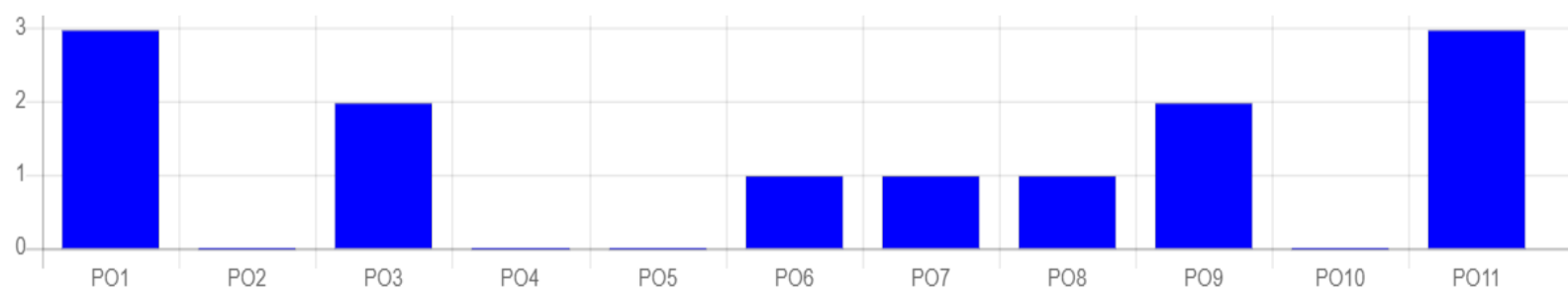
Course Outcome Details

#	Course Outcome	Description
1	BP802T.1	Understand the concept of health and disease
2	BP802T.2	Acquire high consciousness/realization of current issues related to health and pharmaceutical problems within the country and worldwide
3	BP802T.3	Know about Personal hygiene and health
4	BP802T.4	Implementing general principles of prevention and control of diseases
5	BP802T.5	Explain national health programs, its objectives, functioning and outcome

Desired Attainment Details

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BP802T.1	3		2			1					
BP802T.2	3		2			1		1	2		3
BP802T.3	3					1		1	2		3
BP802T.4	3		2			1	1	1	2		3
BP802T.5	3		2			1	1		2		3
Average	3.00		2.00			1.00	1.00	1.00	2.00		3.00

Desired Attainment Average : 1.86



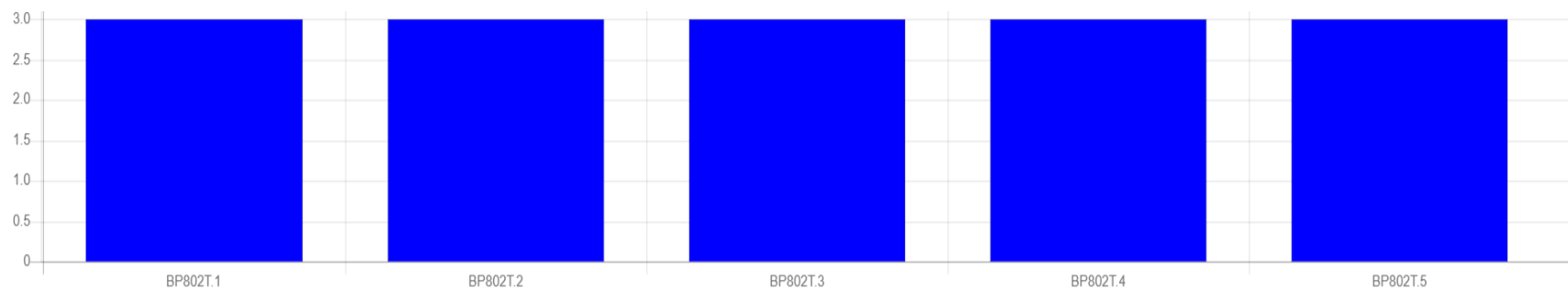


Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

Social and Preventive Pharmacy (BP802T) - Theory (2022-23) [Arti Zumber Gite]

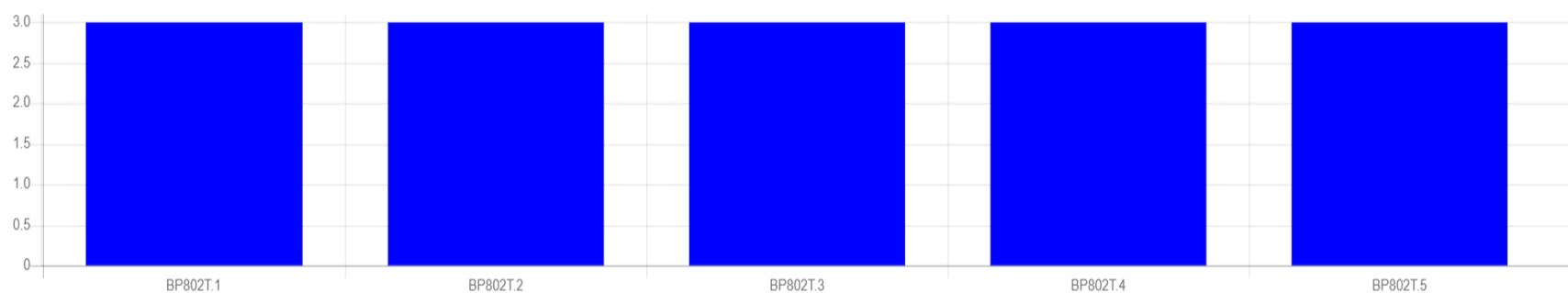
Internal Assessment

Title	Type	% Weightage	BP802T.1	BP802T.2	BP802T.3	BP802T.4	BP802T.5
internal Exam	Internal	25	0.75	0.75	0.75	0.75	0.75
Percent course outcome weightage			25.00	25.00	25.00	25.00	25.00
Attainment as per percent weightage			0.75	0.75	0.75	0.75	0.75
Final attainment			3	3	3	3	3



External Assessment

Title	Type	% Weightage	BP802T.1	BP802T.2	BP802T.3	BP802T.4	BP802T.5
External Exam	External	75	2.25	2.25	2.25	2.25	2.25
Percent course outcome weightage			75.00	75.00	75.00	75.00	75.00
Attainment as per percent weightage			2.25	2.25	2.25	2.25	2.25
Final attainment			3	3	3	3	3

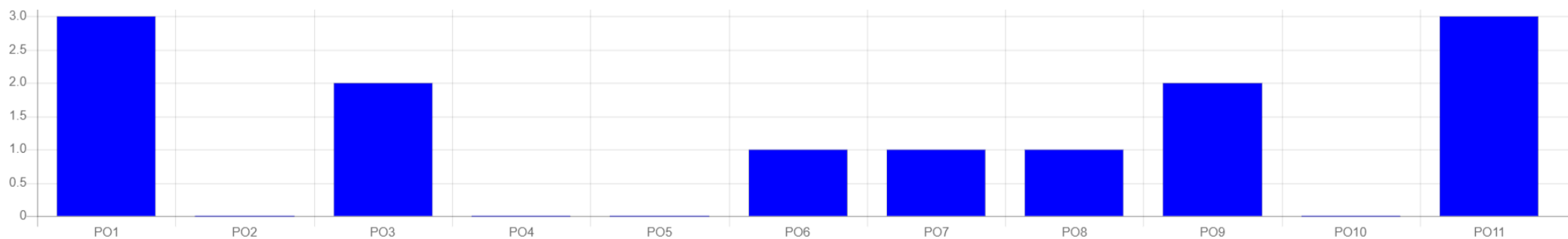


Direct Total Attainment

Course Outcome	Internal	External
BP802T.1	3.00	3.00
BP802T.2	3.00	3.00
BP802T.3	3.00	3.00
BP802T.4	3.00	3.00
BP802T.5	3.00	3.00
Average	3.00	3.00
Weightage	25	75
Direct Total Attainment	0.75	2.25
Final Direct Course Attainment	3.00	

Final Attainment

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
Final Attainment	3.00		2.00			1.00	1.00	1.00	2.00		3.00
Percentage	100.00		66.67			33.33	33.33	33.33	66.67		100.00



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**Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy,
Dudulgaon, Pune**

B. Pharmacy [2022-23]

Course Outcome

Year : Final Year - Sem 8

Subject : Pharmacovigilance (BP805ET)(Theory | Elective)

Course Code : BP805ET

Sr. No.	CO Id	Course Outcome	PO/PSO	Cognitive Levels	Knowledge Categories
1	BP805ET.1	Understand the importance of drug safety monitoring.	PO1, PO6, PO9, PO11	Remember	Factual, Conceptual
2	BP805ET.2	Study the History, development, National and international scenario of pharmacovigilance & comprehend dictionaries, coding and terminologies used in pharmacovigilance.	PO1, PO6, PO9, PO11	Remember, Understand, Apply	Factual, Conceptual
3	BP805ET.3	Understand detection and assessment of new adverse drug reactions, Adverse drug reaction reporting systems and communication in pharmacovigilance, Pharmacovigilance Program of India (PvPI) requirement for ADR reporting in India ICH guidelines for ICSR, PSUR, expedited reporting, pharmacovigilance planning. CIOMS requirements for ADR reporting	PO1, PO6, PO9, PO11	Remember, Understand, Apply	Factual, Conceptual, Procedural
4	BP805ET1	Explain the role of national agencies and international bodies in medicines regulation	PO1, PO2	Remember, Understand	Factual, Conceptual
5	BP805ET2	Outline the classification of adverse events / adverse drug reactions.	PO2, PO3	Understand, Apply	Conceptual, Procedural
6	BP805ET3	Discuss drug and disease classification, drug dictionaries and coding and Information resources in pharmacovigilance	PO4, PO6	Remember, Understand	Factual, Conceptual
7	BP805ET4	Explain the fundamental knowledge on vaccine safety surveillance, pharmacovigilance methods and communication in pharmacovigilance	PO2, PO3	Understand, Apply	Factual, Conceptual
8	BP805ET5	Discuss the place of the International Conference on Harmonisation (ICH) in medicines regulation	PO1, PO2	Remember, Understand	Factual, Conceptual
9	BP805ET6	Describe the genetics related ADR, drug safety evaluation in special population and schedule Y	PO1, PO2	Remember, Understand	Factual, Conceptual

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Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

B. Pharmacy [2022-23]

CO PO Desired Mapping Report

Year : Final Year - Sem 8

Subject : Pharmacovigilance (BP805ET) - Theory

Faculty : Saroja Adepawar

Course Code : BP805ET

Course Outcome Details

#	Course Outcome	Description
1	BP805ET.1	Understand the importance of drug safety monitoring.
2	BP805ET.2	Study the History, development, National and international scenario of pharmacovigilance & comprehend dictionaries, coding and terminologies used in pharmacovigilance.
3	BP805ET.3	Understand detection and assessment of new adverse drug reactions, Adverse drug reaction reporting systems and communication in pharmacovigilance, Pharmacovigilance Program of India (PvPI) requirement for ADR reporting in India ICH guidelines for ICSR, PSUR, expedited reporting, pharmacovigilance planning. CIOMS requirements for ADR reporting
4	BP805ET1	Explain the role of national agencies and international bodies in medicines regulation
5	BP805ET2	Outline the classification of adverse events / adverse drug reactions.
6	BP805ET3	Discuss drug and disease classification, drug dictionaries and coding and Information resources in pharmacovigilance
7	BP805ET4	Explain the fundamental knowledge on vaccine safety surveillance, pharmacovigilance methods and communication in pharmacovigilance
8	BP805ET5	Discuss the place of the International Conference on Harmonisation (ICH) in medicines regulation
9	BP805ET6	Describe the genetics related ADR, drug safety evaluation in special population and schedule Y

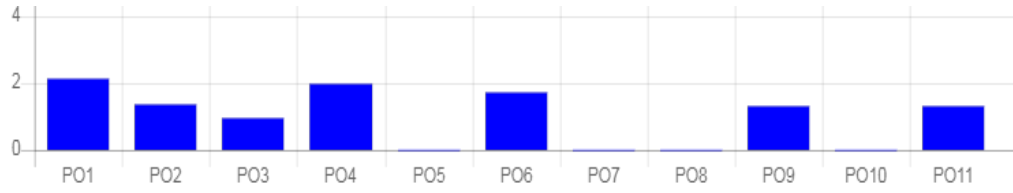
Desired Attainment Details

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BP805ET.1	3					2			1		1
BP805ET.2	2					2			2		2
BP805ET.3	2					1			1		1
BP805ET1	2	1									
BP805ET2		2	1								
BP805ET3				2		2					

Saroja Adepawar

BP805ET4		1	1							
BP805ET5	2	2								
BP805ET6	2	1								
Average	2.17	1.40	1.00	2.00		1.75			1.33	1.33

Desired Attainment Average : 1.57



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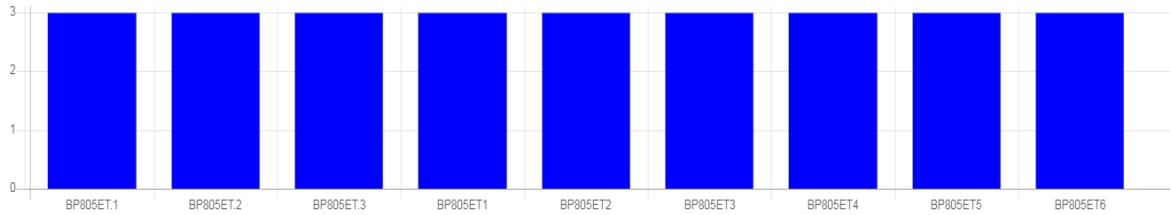


Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

Pharmacovigilance (BP805ET) - Theory (2022-23) [Saroja Adepawar]

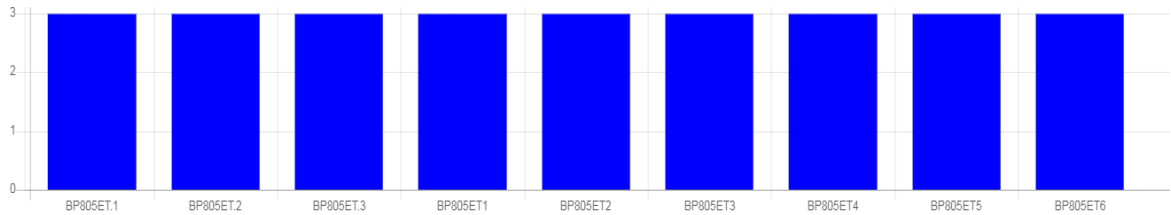
Internal Assessment

Title	Type	% Weightage	BP805ET.1	BP805ET.2	BP805ET.3	BP805ET1	BP805ET2	BP805ET3	BP805ET4	BP805ET5	BP805ET6
Internal Marks	Internal	25	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
Percent course outcome weightage			25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00
Attainment as per percent weightage			0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
Final attainment			3	3	3	3	3	3	3	3	3



External Assessment

Title	Type	% Weightage	BP805ET.1	BP805ET.2	BP805ET.3	BP805ET1	BP805ET2	BP805ET3	BP805ET4	BP805ET5	BP805ET6
External Marks	External	75	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25
Percent course outcome weightage			75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00
Attainment as per percent weightage			2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25
Final attainment			3	3	3	3	3	3	3	3	3



Direct Total Attainment

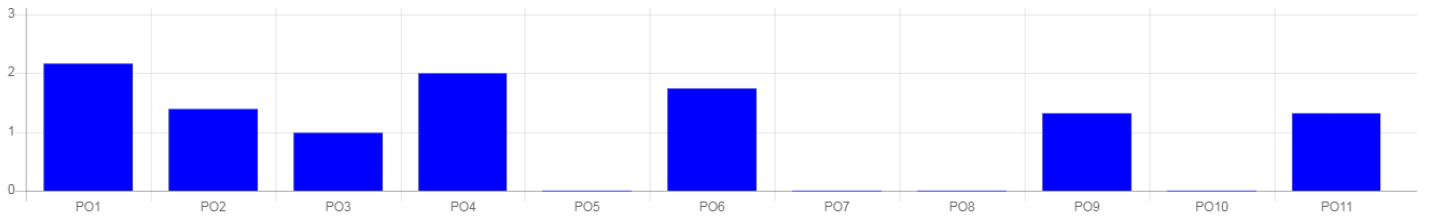
Course Outcome	Internal	External
BP805ET.1	3.00	3.00
BP805ET.2	3.00	3.00
BP805ET.3	3.00	3.00
BP805ET1	3.00	3.00
BP805ET2	3.00	3.00
BP805ET3	3.00	3.00
BP805ET4	3.00	3.00
BP805ET5	3.00	3.00
BP805ET6	3.00	3.00
Average	3.00	3.00
Weightage	25	75
Direct Total Attainment	0.75	2.25
Final Direct Course Attainment	3.00	

Final Attainment

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
Final Attainment	2.17	1.40	1.00	2.00		1.75			1.33		1.33
Percentage	72.33	46.67	33.33	66.67		58.33			44.33		44.33

Saroja Adepawar





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Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

B. Pharmacy [2022-23]

Course Outcome

Year : Final Year - Sem 8

Subject : Computer Aided Drug Design (BP807ET)(Theory | Elective)

Course Code : BP807ET

Sr. No.	CO Id	Course Outcome	PO/PSO	Cognitive Levels	Knowledge Categories
1	BP807ET.1	Understand the design and discovery of lead molecules	PO1	Remember, Understand	Conceptual, Meta-cognitive
2	BP807ET.2	Classify the role of drug design tools for drug discovery process	PO1	Understand	Conceptual, Meta-cognitive
3	BP807ET.3	Understand and analyse concepts of QSAR and docking	PO1	Remember, Understand, Analyse	Conceptual, Meta-cognitive
4	BP807ET.4	Analyse and apply various strategies to develop new drug-like molecules.	PO1	Apply, Analyse	Conceptual, Meta-cognitive
5	BP807ET.5	Use various molecular modeling software to design new drug molecule	PO1	Apply	Conceptual, Meta-cognitive





Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

B. Pharmacy [2022-23]

CO PO Desired Mapping Report

Year : Final Year - Sem 8

Subject : Computer Aided Drug Design (BP807ET) - Theory

Faculty : Prof. Prasad Vasant Rane

Course Code : BP807ET

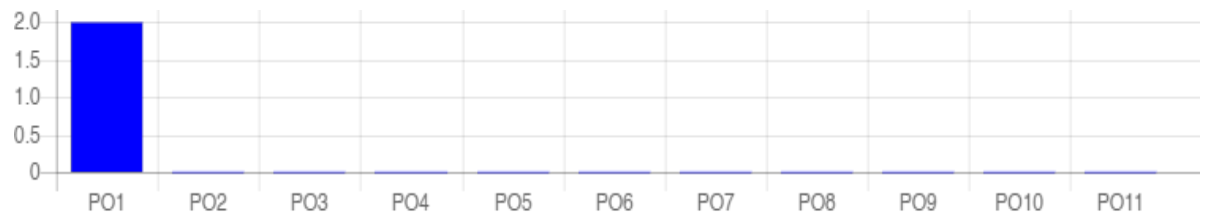
Course Outcome Details

#	Course Outcome	Description
1	BP807ET.1	Understand the design and discovery of lead molecules
2	BP807ET.2	Classify the role of drug design tools for drug discovery process
3	BP807ET.3	Understand and analyse concepts of QSAR and docking
4	BP807ET.4	Analyse and apply various strategies to develop new drug-like molecules.
5	BP807ET.5	Use various molecular modeling software to design new drug molecule

Desired Attainment Details

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BP807ET.1	3										
BP807ET.2	1										
BP807ET.3	2										
BP807ET.4	2										
BP807ET.5	2										
Average	2.00										

Desired Attainment Average : 2.00



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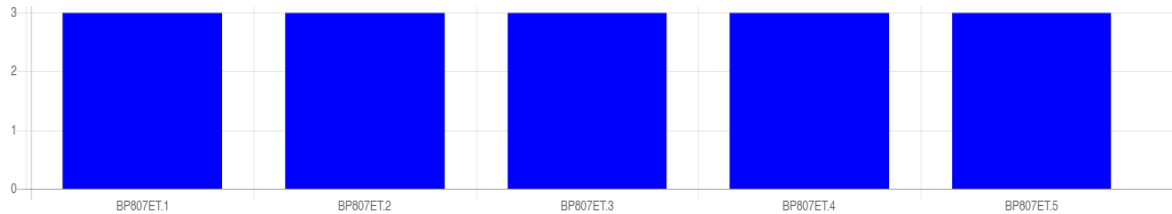


Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

Computer Aided Drug Design (BP807ET) - Theory (2022-23) [Prof. Prasad Vasant Rane]

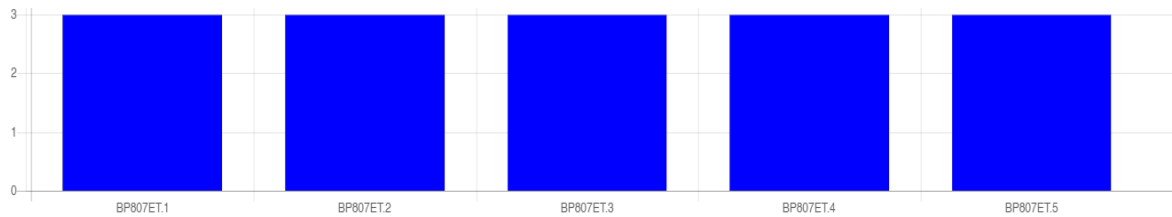
Internal Assessment

Title	Type	% Weightage	BP807ET.1	BP807ET.2	BP807ET.3	BP807ET.4	BP807ET.5
Internal Marks	Internal	25	0.75	0.75	0.75	0.75	0.75
Percent course outcome weightage			25.00	25.00	25.00	25.00	25.00
Attainment as per percent weightage			0.75	0.75	0.75	0.75	0.75
Final attainment			3	3	3	3	3



External Assessment

Title	Type	% Weightage	BP807ET.1	BP807ET.2	BP807ET.3	BP807ET.4	BP807ET.5
External	External	75	2.25	2.25	2.25	2.25	2.25
Percent course outcome weightage			75.00	75.00	75.00	75.00	75.00
Attainment as per percent weightage			2.25	2.25	2.25	2.25	2.25
Final attainment			3	3	3	3	3



Direct Total Attainment

Course Outcome	Internal	External
BP807ET.1	3.00	3.00
BP807ET.2	3.00	3.00
BP807ET.3	3.00	3.00
BP807ET.4	3.00	3.00
BP807ET.5	3.00	3.00
Average	3.00	3.00
Weightage	25	75
Direct Total Attainment	0.75	2.25
Final Direct Course Attainment	3.00	

Final Attainment

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
Final Attainment	2.00										
Percentage	66.67										





Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

B. Pharmacy [2022-23]

Course Outcome

Year : Final Year - Sem 8

Subject : Cosmetic Science (BP809ET)(Theory | Elective)

Course Code : BP809ET

Sr. No.	CO Id	Course Outcome	PO/PSO	Cognitive Levels	Knowledge Categories
1	BP809ET.1	Knowledge of various regulatory requirement for cosmetic and cosmeceutical products.	PO1, PO9	Remember, Understand	Factual, Criteria & Specifications
2	BP809ET.2	Understand the concepts of cosmetics; anatomy of skin v/s hair, general excipients used in cosmetics	PO2, PO7	Understand, Apply, Create	Procedural, Criteria & Specifications, Practical Constraints
3	BP809ET.3	Explain the principles and key building blocks of various skin care, hair care and oral care products etc	PO1, PO2, PO9	Apply, Analyse, Evaluate, Create	Factual, Procedural, Fundamental Design Principles, Criteria & Specifications
4	BP809ET.4	Discuss the cosmetic evaluation principles and cosmetic problems associate with skin, hair and oral cavity.	PO3, PO4	Apply, Analyse, Evaluate	Meta-cognitive, Criteria & Specifications
5	BP809ET.5	Explain the concept of cosmeceuticals, history, difference between cosmetics & cosmeceuticals& cosmeceuticals agents	PO1	Remember, Understand	Conceptual, Procedural



Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

B. Pharmacy [2022-23]

CO PO Desired Mapping Report

Year : Final Year - Sem 8

Subject : Cosmetic Science (BP809ET) - Theory

Faculty : Prof. Priyanka Suryakant Deorankar

Course Code : BP809ET

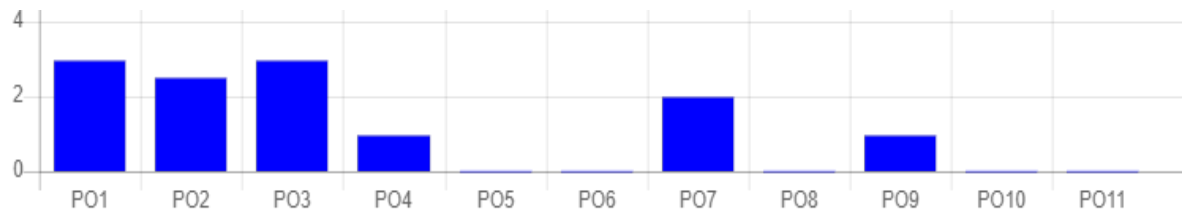
Course Outcome Details

#	Course Outcome	Description
1	BP809ET.1	Knowledge of various regulatory requirement for cosmetic and cosmeceutical products.
2	BP809ET.2	Understand the concepts of cosmetics; anatomy of skin v/s hair, general excipients used in cosmetics
3	BP809ET.3	Explain the principles and key building blocks of various skin care, hair care and oral care products etc
4	BP809ET.4	Discuss the cosmetic evaluation principles and cosmetic problems associate with skin, hair and oral cavity.
5	BP809ET.5	Explain the concept of cosmeceuticals, history, difference between cosmetics & cosmeceuticals& cosmeceuticals agents

Desired Attainment Details

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BP809ET.1	3								1		
BP809ET.2		3					2				
BP809ET.3	3	2							1		
BP809ET.4			3	1							
BP809ET.5	3										
Average	3.00	2.50	3.00	1.00			2.00		1.00		

Desired Attainment Average : 2.08



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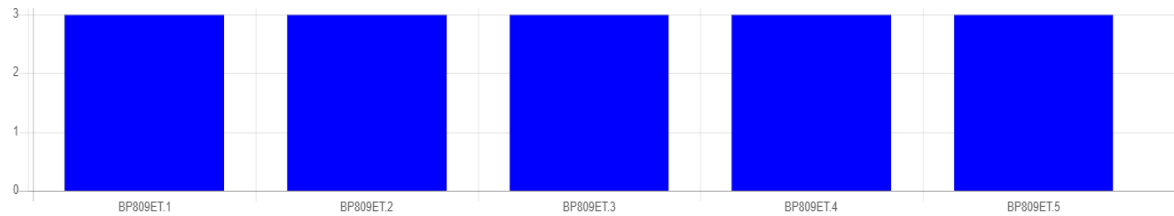


Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

Cosmetic Science (BP809ET) - Theory (2022-23) [Prof. Priyanka Suryakant Deorankar]

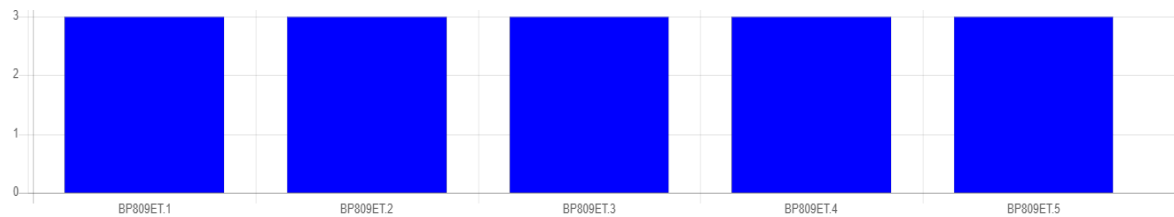
Internal Assessment

Title	Type	% Weightage	BP809ET.1	BP809ET.2	BP809ET.3	BP809ET.4	BP809ET.5
Internal Marks	Internal	25	0.75	0.75	0.75	0.75	0.75
Percent course outcome weightage			25.00	25.00	25.00	25.00	25.00
Attainment as per percent weightage			0.75	0.75	0.75	0.75	0.75
Final attainment			3	3	3	3	3



External Assessment

Title	Type	% Weightage	BP809ET.1	BP809ET.2	BP809ET.3	BP809ET.4	BP809ET.5
External Marks	External	75	2.25	2.25	2.25	2.25	2.25
Percent course outcome weightage			75.00	75.00	75.00	75.00	75.00
Attainment as per percent weightage			2.25	2.25	2.25	2.25	2.25
Final attainment			3	3	3	3	3

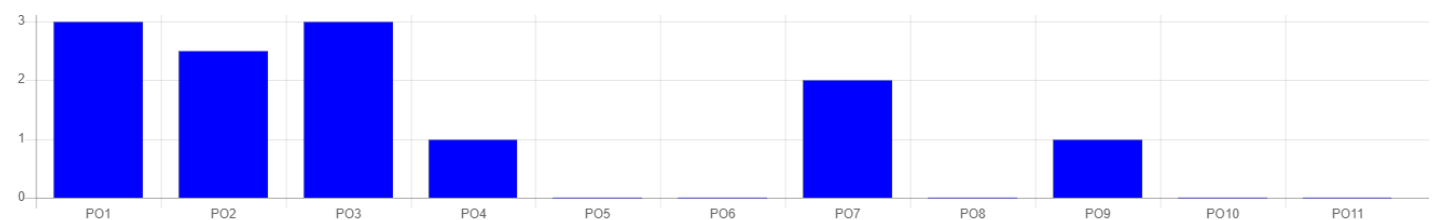


Direct Total Attainment

Course Outcome	Internal	External
BP809ET.1	3.00	3.00
BP809ET.2	3.00	3.00
BP809ET.3	3.00	3.00
BP809ET.4	3.00	3.00
BP809ET.5	3.00	3.00
Average	3.00	3.00
Weightage	25	75
Direct Total Attainment	0.75	2.25
Final Direct Course Attainment	3.00	

Final Attainment

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
Final Attainment	3.00	2.50	3.00	1.00			2.00		1.00		
Percentage	100.00	83.33	100.00	33.33			66.67		33.33		



Deorankar



Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

B. Pharmacy [2022-23]

Course Outcome

Year : Final Year - Sem 8

Subject : Advanced Instrumentation Techniques (BP811ET)(Theory | Elective)

Course Code : BP811T

Sr. No.	CO Id	Course Outcome	PO/PSO	Cognitive Levels	Knowledge Categories
1	BP811ET 1	Understand and explain the principle of analytical techniques.	PO1	Remember, Understand	Conceptual
2	BP811ET 2	Understand and explain the instrumentation of analytical techniques.	PO1	Remember, Understand	Conceptual, Procedural
3	BP811ET 3	Understand and explain the applications of analytical techniques.	PO1	Remember, Understand	Conceptual, Procedural
4	BP811ET 4	To elucidate the structure of a compound by using UV, IR, NMR and Mass data.	PO1, PO4	Remember, Understand, Apply, Analyse	Procedural





Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune
B. Pharmacy [2022-23]

CO PO Desired Mapping Report

Year : Final Year - Sem 8

Subject : Advanced Instrumentation Techniques (BP811ET) - Theory

Faculty : Archana Thikekar

Course Code : BP811T

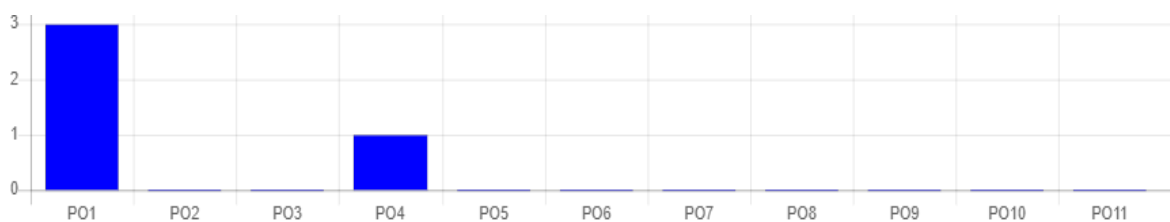
Course Outcome Details

#	Course Outcome	Description
1	BP811ET 1	Understand and explain the principle of analytical techniques.
2	BP811ET 2	Understand and explain the instrumentation of analytical techniques.
3	BP811ET 3	Understand and explain the applications of analytical techniques.
4	BP811ET 4	To elucidate the structure of a compound by using UV, IR, NMR and Mass data.

Desired Attainment Details

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BP811ET 1	3										
BP811ET 2	3										
BP811ET 3	3										
BP811ET 4	3			1							
Average	3.00			1.00							

Desired Attainment Average : 2.00



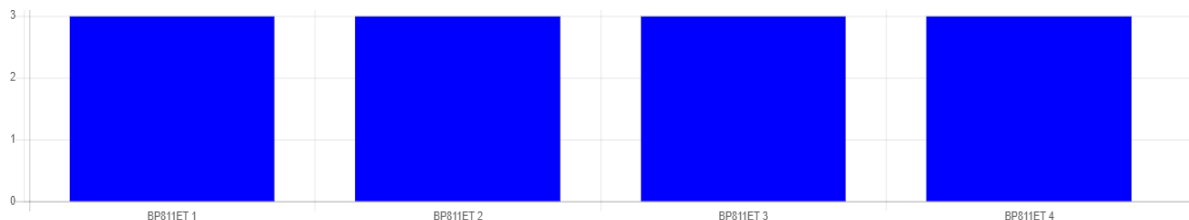


Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

Advanced Instrumentation Techniques (BP811ET) - Theory (2022-23) [Archana Thikekar]

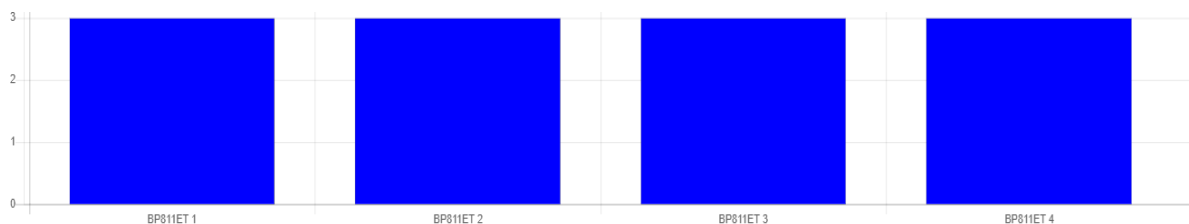
Internal Assessment

Title	Type	% Weightage	BP811ET 1	BP811ET 2	BP811ET 3	BP811ET 4
INTERNAL	Internal	25	0.75	0.75	0.75	0.75
Percent course outcome weightage			25.00	25.00	25.00	25.00
Attainment as per percent weightage			0.75	0.75	0.75	0.75
Final attainment			3	3	3	3



External Assessment

Title	Type	% Weightage	BP811ET 1	BP811ET 2	BP811ET 3	BP811ET 4
EXTERNAL	External	75	2.25	2.25	2.25	2.25
Percent course outcome weightage			75.00	75.00	75.00	75.00
Attainment as per percent weightage			2.25	2.25	2.25	2.25
Final attainment			3	3	3	3

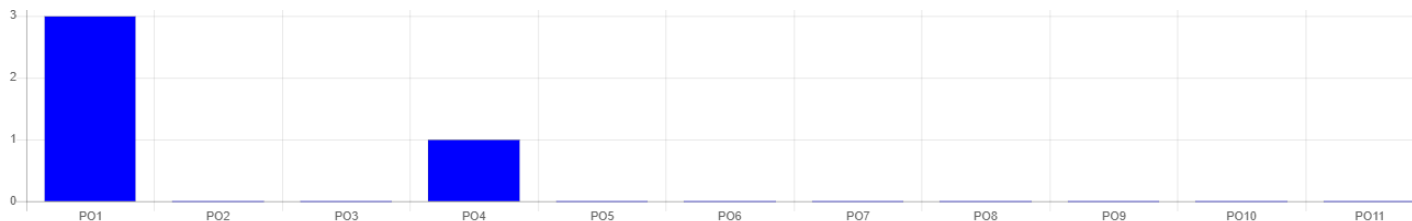


Direct Total Attainment

Course Outcome	Internal	External
BP811ET 1	3.00	3.00
BP811ET 2	3.00	3.00
BP811ET 3	3.00	3.00
BP811ET 4	3.00	3.00
Average	3.00	3.00
Weightage	25	75
Direct Total Attainment	0.75	2.25
Final Direct Course Attainment	3.00	

Final Attainment

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
Final Attainment	3.00			1.00							
Percentage	100.00			33.33							





Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

B. Pharmacy [2022-23]

Course Outcome

Year : Final Year - Sem 8

Subject : DIETARY SUPPLEMENTS AND NUTRACEUTICALS (BP 812 ET)(Theory | Elective)

Course Code : BP812ET

Sr. No.	CO Id	Course Outcome	PO/PSO	Cognitive Levels	Knowledge Categories
1	BP812ET1	Understand the need of supplements by the different group of people to maintain healthy life.	PO1, PO8	Remember, Understand, Apply	Conceptual
2	BP812ET2	Understand the outcome of deficiencies in dietary supplements	PO1, PO3	Remember, Understand, Apply	Factual, Conceptual
3	BP812ET3	Recognize the occurrence and characteristic features of phytochemicals as nutraceuticals	PO1, PO3, PO7, PO9	Remember, Understand, Apply	Factual, Conceptual, Procedural
4	BP812ET4	Understand the concept of free radicals and antioxidants	PO1, PO9, PO11	Remember, Understand, Apply	Factual, Conceptual
5	BP812ET5	Acquaint with the regulatory and commercial aspects of dietary supplements including health claim.	PO1, PO9, PO11	Remember, Understand, Apply	Factual, Conceptual

SrB

J. S. Humal





Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

B. Pharmacy [2022-23]

CO PO Desired Mapping Report

Year : Final Year - Sem 8

Subject : DIETARY SUPPLEMENTS AND NUTRACEUTICALS (BP 812 ET) - Theory

Faculty : PROF. SUHAS GHODEKAR, Jeevan Dhmal

Course Code : BP812ET

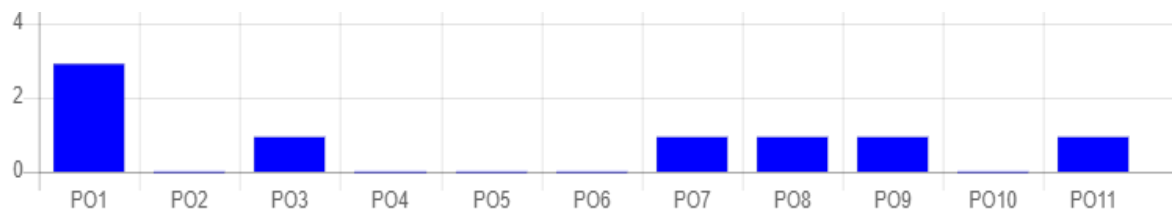
Course Outcome Details

#	Course Outcome	Description
1	BP812ET1	Understand the need of supplements by the different group of people to maintain healthy life.
2	BP812ET2	Understand the outcome of deficiencies in dietary supplements
3	BP812ET3	Recognize the occurrence and characteristic features of phytochemicals as nutraceuticals
4	BP812ET4	Understand the concept of free radicals and antioxidants
5	BP812ET5	Acquaint with the regulatory and commercial aspects of dietary supplements including health claim.

Desired Attainment Details

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BP812ET1	3							1			
BP812ET2	3		1								
BP812ET3	3		1				1		1		
BP812ET4	3								1		1
BP812ET5	3								1		1
Average	3.00		1.00				1.00	1.00	1.00		1.00

Desired Attainment Average : 1.33



SrB



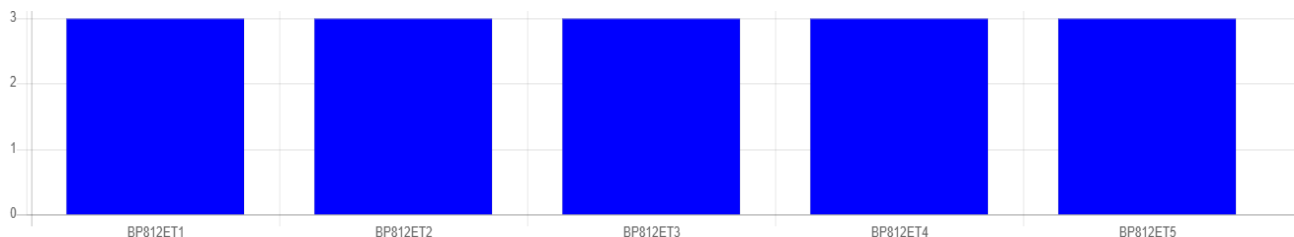


Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon, Pune

DIETARY SUPPLEMENTS AND NUTRACEUTICALS (BP 812 ET) - Theory (2022-23) [PROF. SUHAS GHODEKAR] [Jeevan Dhmal]

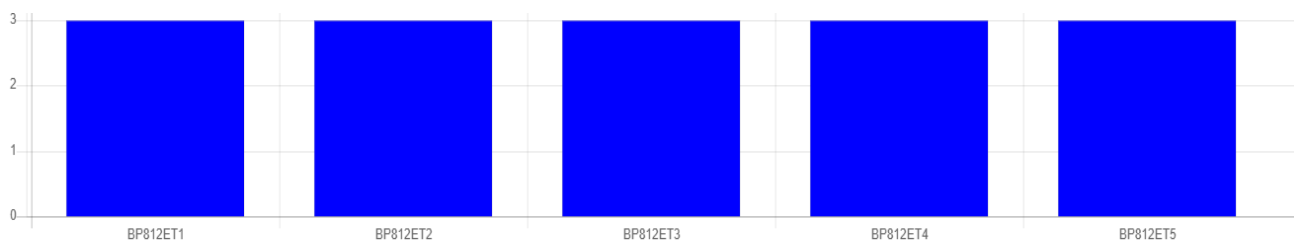
Internal Assessment

Title	Type	% Weightage	BP812ET1	BP812ET2	BP812ET3	BP812ET4	BP812ET5
Dietary Internal	Internal	30	0.90	0.90	0.90	0.90	0.90
Percent course outcome weightage			30.00	30.00	30.00	30.00	30.00
Attainment as per percent weightage			0.90	0.90	0.90	0.90	0.90
Final attainment			3	3	3	3	3



External Assessment

Title	Type	% Weightage	BP812ET1	BP812ET2	BP812ET3	BP812ET4	BP812ET5
Dietary University	External	75	2.25	2.25	2.25	2.25	2.25
Percent course outcome weightage			75.00	75.00	75.00	75.00	75.00
Attainment as per percent weightage			2.25	2.25	2.25	2.25	2.25
Final attainment			3	3	3	3	3

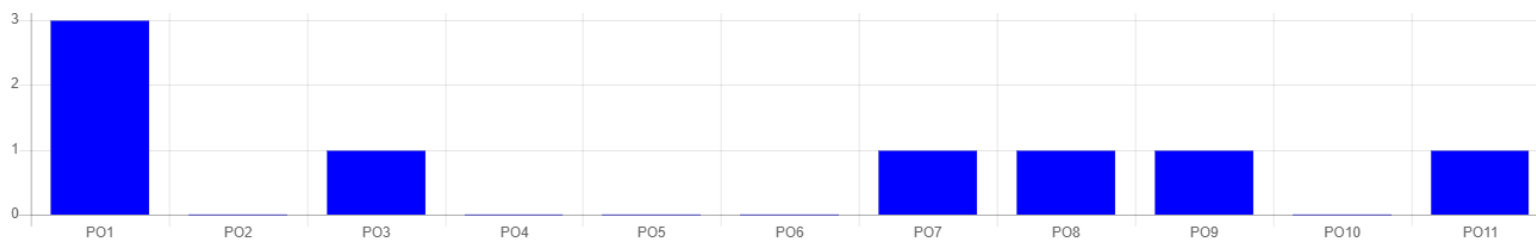


Direct Total Attainment

Course Outcome	Internal	External
BP812ET1	3.00	3.00
BP812ET2	3.00	3.00
BP812ET3	3.00	3.00
BP812ET4	3.00	3.00
BP812ET5	3.00	3.00
Average	3.00	3.00
Weightage	25	75
Direct Total Attainment	0.75	2.25
Final Direct Course Attainment	3.00	

Final Attainment

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
Final Attainment	3.00		1.00				1.00	1.00	1.00		1.00
Percentage	100.00		33.33				33.33	33.33	33.33		33.33



STB