

Pharmaceutics

UNIT	CHAPTER	YOU-TUBE LINK
BP103TPHARMACEUTICS-I		
Unit-I	Historical background and development of profession of pharmacy	https://youtu.be/91XIF61-6pE
	Dosage forms	https://youtu.be/83at5A11Zd0
	Prescription	https://youtu.be/Dd3T7hvPWrc https://youtu.be/fgXjF5ZtuxE
	Posology	https://youtu.be/mO51mvGOBEU
Unit-II	Pharmaceutical calculations	https://youtu.be/p2We9h2VBP0
	Powders	https://youtu.be/aZ-eCvXUBOA
	Liquid dosage forms	https://youtu.be/p2We9h2_VBP0
Unit-III	Monophasic liquids	https://www.youtube.com/watch?v=QCvrnVgoj0ht https://youtu.be/11buwvni7YI
	Biphasic liquids: Suspensions	https://youtu.be/4Jj9uTjNzjch https://youtu.be/TRWUoaGLjxI
	Emulsions	https://youtu.be/L37AMzL7MCs https://youtu.be/AYcX9sAVpGI
Unit-IV	Suppositories	https://youtu.be/NipFVY4Nrh8
	Pharmaceutical incompatibilities:	https://youtu.be/tD2TrNIITG4
Unit--v	Semisolid dosage forms	https://youtu.be/sff2r46K2Ko https://www.youtube.com/watch?v=AfdhvKe7mhI
UNIT	CHAPTER	YOU-TUBE LINK
BP302T PHYSICAL PHARMACEUTICS-I		
III	Surface tension and interfacial tension	https://youtu.be/YtJfyzL2nm0
	surface free energy	https://youtu.be/okBVcdZrlu4
	spreading coefficient	https://youtu.be/5BJv2Erir_g
	Surfactants	https://youtu.be/wTvFA7RZWmU
	HLB scale	https://youtu.be/I-cQWIEdZzc
	Adsorption in liquids & solids	https://youtu.be/xGfMOETQLTA
IV	Complexation	https://youtu.be/r5jMVfG6Ns
	Protein binding	https://youtu.be/p4EsKvUrwoU
	Thermodynamic Treatment of Stability Constant	https://youtu.be/RGAWweZHjVQ
	Types of buffer, Buffer capacity and applications	https://youtu.be/eX2cSVGtUw
	Buffered isotonic solutions	https://youtu.be/K46ZXuRDweU
BP303T PHARMACEUTICAL MICROBIOLOGY		
I	Introduction, its branches, scope and its importance.	https://youtu.be/k5WhrfLTxOs
	History of microbiology	https://youtu.be/GXk_QUzLo1c

	Study of ultra-structure and morphological classification of bacteria	https://youtu.be/rvIqOgVU890
	Bacterial growth curve, isolation and preservation methods for pure cultures, cultivation of anaerobes, measurement of bacterial growth (total & viable count).	https://youtu.be/woA8xGUMfug
II	Identification of bacteria using staining techniques	https://youtu.be/TV5yeKeLQzo
	Biochemical tests (IMViC).	https://youtu.be/CteeJDFXwjY
III	Study of morphology, classification, reproduction/replication and cultivation of Fungi and Virus	https://youtu.be/XDpkwdJUjzw https://youtu.be/2IUC2NQbTsw
	Classification and mode of action of disinfectants	https://youtu.be/Nqd9KHeJn7M
	Microbial assay	https://youtu.be/xhLeW4-vlKI
	Growth of animal cells in culture, general procedure for cell culture, Primary, established and transformed cell cultures	https://www.youtube.com/watch?v=WgLTe6C451c
BP304T PHARMACEUTICAL ENGINEERING		
1.	Size Reduction laws of size reduction	https://youtu.be/XvzD0-INtcY
2.	Size Separation	https://youtu.be/P71XY265mdQ
3.	Principles, construction, working, uses, merits and demerits of Sieve shaker, cyclone separator, Air separator, Bag filter & elutriation tank.	https://youtu.be/P71XY265mdQ
4.	Heat transfer by convection & radiation. Heat interchangers & heat exchangers	https://youtu.be/jZQnV6O7y58
5.	Evaporation Objectives applications and factors influencing evaporation, principles, construction, working, uses, merits and demerits of Steam jacketed kettle, horizontal tube evaporator, climbing film evaporator, forced circulation evaporator, multiple effect evaporator	https://youtu.be/L5zyBx4dRmU
6.	Distillation: Basic Principles and methodology of simple distillation, flash distillation, fractional distillation, distillation under reduced pressure, steam distillation & molecular distillation	https://youtu.be/cENqk8gZKkc
7.	Drying Objectives, applications & mechanism of drying process, measurements & applications of Equilibrium Moisture content,	https://youtu.be/NQDAKE6r-do
8.	Rate of drying curve	https://youtu.be/XIZEyG_RIrs
9.	principles, construction, working, uses, merits and demerits of Tray dryer, drum dryer spray dryer, fluidized bed dryer, vacuum dryer, freeze dryer.	https://youtu.be/XJaFScJErQA
10.	Introduction to Mixing	https://youtu.be/FV84jdvL0Vg

11.	Mechanism of solid mixing	https://youtu.be/xi7IDiAK2Kc
12.	Liquid mixing	https://youtu.be/sh0i2ZZ-IHU
13.	semisolids mixing	https://youtu.be/qTMH4J5auRk
14.	Filtration-Introduction to filtration	https://youtu.be/-MoiNiQdVSM
15.	filter aids	https://youtu.be/Ggye00hpKGU
16.	Materials of pharmaceutical plant construction	https://youtu.be/ToPE-LIo7Xg
BP306P PHYSICAL PHARMACEUTICS PRACTICAL-I		
1	Introduction and study of Autoclave & hot air sterilizer	https://youtu.be/Gu9ub-csWuc
2	Introduction and study of B.O.D. incubator, refrigerator & centrifuge	https://youtu.be/Gu9ub-csWuc
3	Introduction and study of laminar flow & microscope	https://youtu.be/Gu9ub-csWuc
4	Introduction and study of deep freezer	https://youtu.be/Gu9ub-csWuc
7	To prepare & sterilize culture media for Fungi	https://drive.google.com/file/d/11Qkqop5usEVgrJaxWtmuaH_rLtYxYan3/view?usp=sharing
8	To study the given sample organism by Acid Fast Staining	https://drive.google.com/file/d/10i0Ku-bz9UAtWlXqt8KHAMr3sfICrabS/view?usp=sharing
9	To perform sterilization of glassware	https://drive.google.com/file/d/1TUuX_E5aMLEp6jRaXXp5-4emPyzN4PvE/view?usp=sharing
10	To prepare & sterilize nutrient broth	https://drive.google.com/file/d/1Xoa1IxN34cT_Xsx1HovecVvSjRZzpGIU/view?usp=sharing
11	To perform sub culturing of bacteria and fungus.	https://drive.google.com/file/d/1aThkyXZC9NwYZqQ1vwHcXMC-JA4GAPmQ/view?usp=sharing
12	To determine motility of microorganisms by Hanging drop method	https://drive.google.com/file/d/1UP7S8bpYIKLvT2dy_o-51LuGP3AX8Bpv/view?usp=sharing
13	To prepare & sterilize Nutrient stabs and slants	https://drive.google.com/file/d/1UP7S8bpYIKLvT2dy_o-51LuGP3AX8Bpv/view?usp=sharing
14	To perform isolation of pure culture of microorganisms by multiple streak plate technique	https://drive.google.com/file/d/1G17iPXR0-ynEeHqLOcm4Pfs-tnRBLbRT/view?usp=sharing
15	To perform isolation of pure culture of microorganisms by spread plate technique	https://drive.google.com/file/d/1EY3vdy38zI4jkrNTYgwu7ea9MZiaUcwQ/view?usp=sharing
16	To perform isolation of pure culture of microorganisms by pour plate technique	https://drive.google.com/file/d/1h7sjyr2cV69-ujqoiANVWxl-aS7ejRMq/view?usp=sharing

17	To perform Microbiological assay of antibiotics by cup plate method	https://drive.google.com/file/d/1ZPDRjsCCMwOyQQdfNgG-Kd4T81Fe7JrV/view?usp=sharing
1	Description of Construction Working and application of Pharmaceutical Machinery such as Rotary Tablet Machine, Fluidized Bed Coater, Fluid Energy Mill, De Humidifier.	https://drive.google.com/file/d/1NjV6pVXRk7NOhB5K1ITnp0mO-wOP7MwC/view?usp=sharing
I	Colloidal Dispersion	https://youtu.be/pex5sdSBzA8 https://youtu.be/Htt204TrMeI https://youtu.be/JLylo19Jj1A
II	Rheology	https://youtu.be/l7gTSS4lnFw
III	Coarse Dispersion	https://youtu.be/JBYk4Z6ti0k https://youtu.be/wkIkYtYkako https://youtu.be/VRj-i2M3_LM https://youtu.be/hWUaWZ_26wM
IV	Micromeritics	https://youtu.be/rFFdBp1th64 https://youtu.be/hvOQgpzUaQA https://youtu.be/uh_cHGZYURc
V	Drug stability	https://youtu.be/RaFiJ32UaGg https://youtu.be/UruxU6ru9aM https://youtu.be/m-IUkLyW6c8
1	Determination of particle size, particle size distribution using sieving method	https://drive.google.com/file/d/15vROjT9s1zBnrLbsE3Hms1W-wmCpb-I5/view?usp=sharing
2	Determination of particle size, particle size distribution using Microscopic method	https://drive.google.com/file/d/10J_UHHMZPgH8cAEP7INY_QGaXS6H6zsQ/view?usp=sharing
4	Determine the angle of repose and influence of lubricant on angle of repose	https://drive.google.com/file/d/1R8144Epf1a1R0qM38uJ4GOaagNH89CGI/view?usp=sharing
5	Determination of viscosity of liquid using Ostwald's viscometer	https://drive.google.com/file/d/1zcnkq5-saJmlymTRjx8-6UHtz7ki2r4/view?usp=sharing
8	Determination of viscosity of semisolid by using Brookfield viscometer	https://drive.google.com/file/d/13XyvtP3sdgBryJiF-Otm2EJU5joVSDuh/view?usp=sharing
10	Determination of reaction rate constant second order	https://drive.google.com/file/d/1gk9uU7AR_WQr6WS1DyEbGsUq5RAD5b3z/view?usp=sharing
11	Accelerated stability studies	https://drive.google.com/file/d/1KTWSqSyb_DJRt79HznUqe7RYwqvILC3A/view?usp=sharing
12	Preformulation -Objective and Goal	https://youtu.be/uNKfXWyVAQM
13	a. Physical properties: particle size, shape	https://youtu.be/s08jhbZ1eQ https://youtu.be/smF0aSEDNTg https://youtu.be/Qn8B5k8NyXk https://youtu.be/_0CWpCuZxRA
14	Flow properties	https://youtu.be/_0CWpCuZxRA
15	Solubility profile Ionization constant	https://youtu.be/eQwQrSlpACYy4 https://youtu.be/bcCMNFYOhjg

BP 505T PHARMACEUTICAL JURISPRUDENCE

BP506P INDUSTRIAL PHARMACY

1	To prepare and evaluate Paracetamol tablets	https://www.youtube.com/watch?v=mMFCN5BD_bE&t=1309s
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BP 604 T BIOPHARMACEUTICS AND PHARMACOKINETICS

1.	Elimination	https://youtu.be/pbe6iWBrSBM
2.	Factor affecting Drug metabolism	https://youtu.be/JPPVpR-38q8
3.	Renal Metabolism	https://youtu.be/ZA9l0aX3lJo
4.	Nonlinear Pharmacokinetics	https://youtu.be/vTEqE0HSsvc

BP 605T Pharmaceutical biotechnology

1.	Introduction to Immunity	https://youtu.be/aVjlQpWZ_S4
2.	Immuno-stimulation and immunosuppression	https://youtu.be/1COFM2yB-HM
3.	Vaccine production	https://youtu.be/NdAq-gDOALI
4.	Blood product and plasma substitute	https://youtu.be/kQdACZr8uTI
5.	Structure and function of immunoglobulin	https://youtu.be/ScqZLgXh94
6.	Major Histo-compatibility Complex	https://youtu.be/WCA4opqyhDg
7.	Hypersensitivity	https://youtu.be/qJLRUEQor4Y
8.	Blotting techniques	https://youtu.be/jyGzINO2O0o
9.	genetic organization of Prokaryotes and Eukaryotes	https://youtu.be/gm2DeEQYoZQ
10.	Microbial genetics	https://youtu.be/F_7cgPE_-ZE
11.	Plasmid	https://youtu.be/SxavE-umXOY
12.	Trasposons	https://youtu.be/tT8Kc03XuUQ
13.	Mutation	https://youtu.be/SCKa3G2tHQM
14.	Penicillinase Production	https://youtu.be/YdMTVxY6bAk
15.	Concept of QA, QC	https://youtu.be/R9bHiMptm08
16.	TQM	https://www.youtube.com/watch?v=Q7TbKndj-ok&t=5s
17.	Personnel	https://youtu.be/zhGnhteLFT4
18.	QC of Containers and GLP	https://youtu.be/BsJqCES-vhk
19.	QC tests for packaging material Part 1	https://youtu.be/BsJqCES-vhk
20.	Complaints and recalls documentation	https://youtu.be/Fh7EEfAqsHg
21.	Quality Audit	https://youtu.be/ehvpKNWWTzQ
22.	Validation	https://youtu.be/WyxKNt5HpOg

BP702T INDUSTRIAL PHARMACY

1.	Pilot plant scale up techniques:	https://youtu.be/tIYbeqzMbRY https://youtu.be/uj81Mi0LgQ
2.	Regulatory Affairs	https://youtu.be/x9v_ryX0Qt0 https://youtu.be/JGzN-Scr4TE https://youtu.be/swNez9kHI9w
3.	Regulatory requirements for drug approval	https://youtu.be/dBS7SsDInjo https://youtu.be/Ixf4iKA4EQ https://youtu.be/SqdZepk1198
4.	Quality management systems	https://youtu.be/xNA0VGyekoc https://youtu.be/LOKESolHuws https://youtu.be/dBS7SsDInjo
5.	Indian Regulatory Requirements	https://youtu.be/KXps4b_G9C4 https://youtu.be/eocv18i1h3g
6.	Controlled drug delivery systems:	https://youtu.be/Pm-mLjKTcOM https://youtu.be/S_ghlwKkrzI
7.	Polymers:	https://youtu.be/YeYZ8tSpAzs https://youtu.be/rYfdA3yKAgw
8.	Microencapsulation	https://youtu.be/gCHRTRch8gA
9.	Mucosal Drug Delivery system	https://youtu.be/IS_FfuBN1GI
10.	Implantable Drug Delivery Systems	https://youtu.be/hOQsqxhQ4Jc
11.	Transdermal Drug Delivery Systems	https://youtu.be/BKZmM5K0_Rs https://youtu.be/tI3EeeB9L0c https://www.youtube.com/watch?v=pEvj2eqg3ds https://youtu.be/RdDSXr0vCiE https://youtu.be/J0pueVVRbdM https://youtu.be/aNYI92vrS_o https://youtu.be/xG53wgvHdMY
12.	Gastroretentive drug delivery systems:	https://youtu.be/sJdBUgvybCI https://youtu.be/BD2HVe9Ue5s
13.	Nasopulmonary drug delivery system	https://youtu.be/Xh-BD-58W9A
14.	Targeted drug Delivery:	https://youtu.be/V1h6aqrtx40 https://youtu.be/UHeg8tctQII
15.	Ocular Drug Delivery Systems	https://youtu.be/V1h6aqrtx40 https://youtu.be/UHeg8tctQII
16.	Intrauterine Drug Delivery Systems	https://youtu.be/U4vOTBFOHA4 https://youtu.be/qM2GRsEwX10

Pharmaceutical Chemistry

First Year-SEM I THEORY

Unit	Chapter	YouTube Link/s
Unit-IV	Redox titrations	https://youtu.be/-8eXmxm3mn4 https://youtu.be/L2lu_D7IIaM https://youtu.be/wnbkbfjfcE https://www.youtube.com/watch?v=7QL2Urz0Gos https://youtu.be/wnbkbfjfcE
Unit-V	a)Electrochemical methods of analysis: i) Conductometry	https://youtu.be/Os-beSKIilk https://youtu.be/bcYW5A72Llg
	Biphasic liquids:Suspensions	https://youtu.be/4Jj9uTjNZjch https://youtu.be/TRWUoaGLjxI
	Emulsions	https://youtu.be/L37AMzL7MCs https://youtu.be/AYcX9sAVpGI
Unit-V	Semisolid dosage forms	https://youtu.be/sff2r46K2Ko https://www.youtube.com/watch?v=AfdhvKe7mhI

PRACTICALS

First Year-SEM II THEORY –BP202T POC-1

Unit	Chapter	YouTube Link/s
Unit-I	Basic Principles of Organic Chemistry	https://youtu.be/G3d9Uzod3bk
Unit-II	Classification, Nomenclature and Isomerism: Structural Isomerism in Organic Compounds	https://youtu.be/LdjjwZ2zf5U
	Classification of Organic Compounds	https://youtu.be/Ig68qZnGt_8
Unit-III	Common and IUPAC systems of nomenclature of organic compounds	https://youtu.be/iQS3eBqdGCK
	Alkyl halides: SN1 versus SN2 reactions, factors affecting SN1 and SN2 reactions.	https://youtu.be/ZxEnL4rodmo
Unit-V	Alcohols	https://youtu.be/vCU85XTdkz8 https://youtu.be/JaAiHZ6g66A
	Aliphatic amines	https://youtu.be/G8kN1zdyn18
BP203T BIOCHEMISTRY		
Unit-I	Carbohydrates	https://youtu.be/Y7doZLIm3MA https://youtu.be/QTfwJNWFSJM
	Nucleic acids	https://youtu.be/oB6y70UqDn8
Unit-III	Lipid metabolism β -Oxidation of saturated fatty acid (Palmitic acid)	https://youtu.be/yST4TCxNuCE
	Formation and utilization of ketone bodies; ketoacidosis	https://youtu.be/Hi8LboKBXXY
	Metabolic reactions of amino acid	https://youtu.be/yST4TCxNuCE
Unit-IV	Biosynthesis of purine and pyrimidine nucleotides	https://youtu.be/LRhOSIPKkb1 https://youtu.be/5avn9009jFM
	Structure of DNA and RNA and their functions	https://youtu.be/DYpqfchGPZE
	Transcription and translation	https://youtu.be/itXhsIsJSec
Unit-V	Enzyme inhibitors with examples	https://youtu.be/qf0H4qD9F-U
	Coenzymes –Structure and biochemical functions	https://youtu.be/HeWb5-7W6Rs

PRACTICALS

BP208P. PHARMACEUTICAL ORGANIC CHEMISTRY – I		
1.	Systematic qualitative analysis of unknown organic compounds (Alpha Naphthol)	https://drive.google.com/file/d/1rE3yAQ8CtLlIsAVDgSi5MIU5XcOADaD/view?usp=sharing
BP 209 P. BIOCHEMISTRY		
1	Qualitative analysis of carbohydrates (Maltose and Lactose)	https://drive.google.com/file/d/16VDS3rQlc7RpIzUieHwoFSF_45apGGS0/view?usp=sharing
2	Qualitative analysis of carbohydrates (Sucrose and starch)	https://drive.google.com/file/d/1BzOJdgK3eWW_vEcaFpUN52oLqNtCxPaa/view?usp=sharing

Second Year SEM III

THEORY

Unit	Chapter	YouTube Link/s	
BP301T. PHARMACEUTICAL ORGANIC CHEMISTRY –II			
I	Benzene & Aromaticity- Structure & Orbital picture	https://www.youtube.com/watch?v=ppI8NKWgdYk	
	Benzene & Aromaticity- Resonance & Aromaticity	https://www.youtube.com/watch?v=Uf1F4P-J1fg	
	Benzene & Aromaticity- Electrophilic Aromatic Substn.	https://youtu.be/61HA6tAyi10	
	Benzene & Aromaticity- Orientation of Substitution	https://youtu.be/1O-7Emji-ps	
	Benzene & Aromaticity- Selected Benzene Derivatives	https://www.youtube.com/watch?v=rz6wPUGTXYo	
II	Phenols	https://youtu.be/zWbkMgz1_r4	
	a. Fatty acids – reactions. b. Hydrolysis, Hydrogenation, Drying oils. c. Analytical constants – Ester value, Acetyl value, significance and principle involved in their determination.	https://youtu.be/79I3yuQbDGO https://youtu.be/b1PbQ7jjVVM https://youtu.be/oPjKMt3rE9M	
	III	Polycyclic Aromatic Hydrocarbons -Naphthalene	https://www.youtube.com/watch?v=2avsx_IBKtI&t=11_4s
		Polycyclic Aromatic Hydrocarbons -Anthracene	https://www.youtube.com/watch?v=dnMkRjqwy_0&t=2s
Polycyclic Aromatic Hydrocarbons Phenanthrene		https://www.youtube.com/watch?v=W19fxpc3My4&t=2s	
IV	a. Fatty acids – reactions. b. Hydrolysis, Hydrogenation, Drying oils. c. Analytical constants – Ester value, Acetyl value, significance and principle involved in their determination.	https://youtu.be/79I3yuQbDGO https://youtu.be/b1PbQ7jjVVM https://youtu.be/_5ObG6fAdQ https://youtu.be/94emb4tEVUI https://youtu.be/oPjKMt3rE9M https://youtu.be/ersHDsiAVko	
	Acetyl value	https://youtu.be/qH9FZ-5In2c https://youtu.be/8b32CTXEK0	
	Iodine Value	https://youtu.be/2dYdgyWPIDo	
	Saponification Value	https://youtu.be/sF5pZPZDkUE	
	Reichert Meissl (RM) value	https://youtu.be/DmsUcwbGbnQ	

PRACTICALS

Expt.No.	Name of Experiment	YouTube Link/s
BP305P. PHARMACEUTICAL ORGANIC CHEMISTRY -II (Practical)		
1	Recrystallization of alpha naphthol	https://drive.google.com/file/d/14awWjGGiPqEI6TCCnT2GNz3ekN_Iz654/view?usp=sharing
2	Recrystallization of benzoic acid	https://drive.google.com/file/d/1O9H5YF7LQhJZuJgiP6XFQEKexiiMGbGT/view?usp=sharing
3	Recrystallization of aspirin	https://drive.google.com/file/d/1d6qEVJhNUDXciTfrRx_KtTeBmGVtwlEt/view?usp=sharing
4	Synthesis of Acetanilide	https://drive.google.com/file/d/1RzH5RRq9h_p9Wfii9LaFmsxIQpmf9N/view?usp=sharing
5	Synthesis of Salicylic acid	https://drive.google.com/file/d/1PsNteSd-3mUb-H_z_COY8bzADxCh8RP-/view?usp=sharing
6	Synthesis of 2,4,6-tribromoaniline	https://youtu.be/B-Zurs1CfNI
7	Synthesis of dibenzalacetone	https://youtu.be/AfatQ8zBe0o
8	Synthesis of Benzil	https://youtu.be/rfz7p93nr5Q
9	Synthesis of p-bromoacetanilide	https://youtu.be/lpgAFSB_E2I
10	Determination of Saponification value.	https://youtu.be/slrN_lmXGk8

**Second Year-SEM IV
THEORY**

Unit	Chapter	YouTube Link/s
BP401T. PHARMACEUTICAL ORGANIC CHEMISTRY –III (Theory)		
UNIT-I	Stereo isomerism	https://www.youtube.com/watch?v=0Hwz_nkvmNk&t=105s
UNIT-III	Heterocyclic compounds-I	https://youtu.be/laz24CaaOmo https://youtu.be/rFt93scEfr0 https://youtu.be/OmjwGcQecZA
UNIT-IV	Heterocyclic compounds-II	https://youtu.be/YvV21Bc-Fj0 https://youtu.be/J9pTO85_laA https://youtu.be/FJH5GXpDrOs https://www.youtube.com/watch?v=OmjwGcQecZA
BP402T. MEDICINAL CHEMISTRY – I (Theory)		
UNIT-I	b) Physicochemical properties in relation to biological action	https://youtu.be/08MmHOrOf1o https://youtu.be/IDwaxP1C9js
	c) Drug metabolism: Drug metabolism principles - Phase I and Phase II.	https://youtu.be/gg5NzHeTPio https://www.youtube.com/watch?v=IDwaxP1C9js
	Factors affecting drug metabolism including stereo chemical aspects	https://youtu.be/wbH3mEDLi8M
UNIT-II	Sympathomimetic agents: SAR of Sympathomimetic agents	https://youtu.be/wbH3mEDLi8M
	Indirectly acting cholinergic agents	https://youtu.be/kDXBOYh8Abo https://www.youtube.com/watch?v=yJPObEyS0Vg
UNIT-III	Anticholinergic agents	https://youtu.be/CWNLixiAAY0
	Sedatives and Hypnotics	https://youtu.be/ntLWsvdLY0s

**Third Year-SEM V
THEORY**

Unit	Chapter	YouTube Link/s
BP501T Medicinal Chemistry II		
1	Antihistaminic agents and autacoids	https://youtu.be/4Zn3KfTNak4 https://www.youtube.com/watch?v=zOBVQJtK1CE https://www.youtube.com/watch?v=4XAO1E60nWE
2	Drugs acting on Cardiovascular system	https://youtu.be/vuuCtIpbBMo https://youtu.be/vuuCtIpbBMo
3	Drugs acting on Endocrine system	https://youtu.be/agfgtRk9w9M https://youtu.be/N4cSkU6fRPM https://youtu.be/i7lZHahfX0w https://youtu.be/yu0IMOsU5U0
4	Local Anesthetics	https://youtu.be/9rASaxRQJlc

**Third Year-SEM VI
THEORY**

Unit	Chapter	YouTube Link/s
BP601T Medicinal Chemistry III		
1.	Antibiotics & Antimalarials	https://www.youtube.com/watch?v=6m5Yw78rQs&t=193s
2.	Antimycobacterial and Antiviral agents	https://www.youtube.com/watch?v=LIAIvYIZoT4
3.	Antifungal agents Anti-protozoal Agents Synthetic anti-infective agents :	https://youtu.be/3Leu-vTqg2c
4.	Anti-neoplastic agents	https://www.youtube.com/watch?v=6E8GwFf9BII

Unit	Chapter	YouTube Link/s
5.	Introduction to Drug Design	https://youtu.be/9wOUAzTXeZo https://youtu.be/kywOT8-uXks https://youtu.be/NXIYYjmJ8p8 https://youtu.be/8v7ht0RwWrA https://youtu.be/A55vEBdXfeQ

PRACTICALS

Expt. No.	Name of Experiment	YouTube Link/s
BP607P Medicinal chemistry III		
1	To synthesize 7-hydroxy-4-methyl coumarine from resorcinol	https://www.youtube.com/watch?v=xgsToWfhy4k
2	To synthesize triphenyl imidazole	https://youtu.be/M-kLNrf3bT8
3	To draw structures of some compounds by using chem draw software	https://www.youtube.com/watch?v=rhIAIGYNKoM
4	To draw structures of some compounds by using chem draw software	https://www.youtube.com/watch?v=rhIAIGYNKoM
5	To draw synthetic scheme of some compounds by using chem. draw software	https://www.youtube.com/watch?v=rhIAIGYNKoM
6	To draw synthetic scheme of some compounds by using chem. draw software	https://www.youtube.com/watch?v=rhIAIGYNKoM

Final Year-SEM VII THEORY

Unit	Chapter	YouTube Link/s
BP701T Instrumental Methods of Analysis		
I	UV Visible spectroscopy	https://youtu.be/BpfyOyZbBJE https://www.youtube.com/watch?v=HevzKz8m8ac&t=123s https://www.youtube.com/watch?v=HevzKz8m8ac&t=123s https://youtu.be/BpfyOyZbBJE https://youtu.be/TLQLD3ILGYy https://youtu.be/Eao0zKzIKbA https://lumen5.com/user/pdahire/applications-of-uv-v-lgcpe
II	Fluorimetry	https://youtu.be/kVDIkUIPQEG https://youtu.be/kVDIkUIPQEG https://youtu.be/kVDIkUIPQEG
III	IR spectroscopy FTIR spectroscopy	https://youtu.be/_cJpY4fVU_g https://www.youtube.com/watch?v=ImYf_aUpRYo https://youtu.be/_cJpY4fVU_g https://www.youtube.com/watch?v=CXdOPuP5zSc https://www.youtube.com/watch?v=fqdCQT8XHh0 https://www.youtube.com/watch?v=CXdOPuP5zSc
IV	Nepheloturbidimetry	https://youtu.be/8PfFNyx9pMA
V	Paper chromatography	https://youtu.be/vaknxFqn9YI
VI	Gas chromatography	https://youtu.be/eb-AcrKKht8 https://youtu.be/9y7ju5KV84k
VII	Ion exchange chromatography	https://youtu.be/OCPHna9wt_8 https://youtu.be/ZTGc6XX4WqM

PRACTICALS

Expt. No.	Name of Experiment	YouTube Link/s
BP705P Instrumental Methods of Analysis		
1	Determination of potassium by flame photometry	https://drive.google.com/file/d/1pDeo2Ri6UJ8KIlmNkWVl2rGSc3kVU1ei
2	Determination of chlorides by nephelo turbidometry	https://drive.google.com/file/d/1px9vqMllpWoZOhXZCV0S0i6vMNH8c3uB
3	Separation of sugars by paper chromatography	https://drive.google.com/file/d/1ZPtTkwmQdtVbVkJZq72iHa66DAII3dQ
4	Separation of sugars by thin layer chromatography	https://drive.google.com/file/d/16H1s8bsBRRWBPEunBeiKQJFm-Zf-jtsF

Expt. No.	Name of Experiment	YouTube Link/s
5	Separation of plant pigments by column chromatography	https://drive.google.com/file/d/1Wcwa8oatvYbk68tfzuwUUBGJKcwNHHX
6	Demonstration experiment on HPLC	https://drive.google.com/file/d/1x0h8fu7NWB3-t5ZVVAoj6IPS4NZgQHIG
7	Demonstration experiment on Gas Chromatography	https://youtu.be/dLxF44421-4

**Final Year-SEM VIII
THEORY/ELECTIVE**

BP807ET Computer Aided Drug Design		
I	Introduction to Drug Discovery and Development	https://youtu.be/a7yggDfIX4I
	Lead discovery and Analog Based Drug Design	https://youtu.be/a7yggDfIX4I
II	Quantitative Structure Activity Relationship (QSAR)	https://youtu.be/A55vEBdXfeQ
III	Molecular Modeling and virtual screening techniques	https://youtu.be/NXIYYjmJ8p8
	Virtual Screening techniques	https://youtu.be/8v7ht0RwWrA
	Molecular docking	https://www.youtube.com/watch?v=9wOUAzTXeZo&t=47s
BP811ET Advanced Instrumentation Techniques		
IV	Electrophoresis	https://youtu.be/bXrq4ZaGJFQ
		https://youtu.be/bXrq4ZaGJFQ
		https://youtu.be/bXrq4ZaGJFQ
		https://youtu.be/bXrq4ZaGJFQ
		https://youtu.be/bXrq4ZaGJFQ

Pharmacognosy

BP 405 T.PHARMACOGNOSY AND PHYTOCHEMISTRY I (Theory)		
UNIT I	Definition, history of Pharmacognosy	https://www.youtube.com/watch?v=DdHy_ojPLrQ
	Sources of Drugs – Plants, Animals, Marine & Tissue culture	https://www.youtube.com/watch?v=xLlOkVnzkiU
	Organized drugs, unorganized drugs	https://www.youtube.com/watch?v=dg_MZAbbcpw
	Classification of drugs	https://www.youtube.com/watch?v=dg_MZAbbcpw
	Classification of drugs	https://www.youtube.com/watch?v=dg_MZAbbcpw
	Quality control of Drugs of Natural Origin	https://www.youtube.com/watch?v=dVnJl4K9bvE
	Quality control of Drugs of Natural Origin	https://www.youtube.com/watch?v=dVnJl4K9bvE
	Quality control of Drugs of Natural Origin	https://www.youtube.com/watch?v=dVnJl4K9bvE
UNIT II	Quality control of Drugs of Natural Origin	https://www.youtube.com/watch?v=dVnJl4K9bvE
	Cultivation and Collection of drugs of natural origin	https://www.youtube.com/watch?v=DUjqB9GQzH4
	Cultivation and Collection of drugs of natural origin	https://www.youtube.com/watch?v=dVnJl4K9bvE
	Factors influencing cultivation of medicinal plants	https://www.youtube.com/watch?v=dVnJl4K9bvE
	Factors influencing cultivation of medicinal plants	https://www.youtube.com/watch?v=dVnJl4K9bvE
	Plant hormones and their applications.	https://www.youtube.com/watch?v=dVnJl4K9bvE
	Plant hormones and their applications.	https://www.youtube.com/watch?v=dVnJl4K9bvE
	Polyploidy, mutation and hybridization with reference to medicinal plants	https://www.youtube.com/watch?v=dVnJl4K9bvE
UNIT III	Polyploidy, mutation and hybridization with reference to medicinal plants	https://www.youtube.com/watch?v=dVnJl4K9bvE
	Historical development of plant tissue culture	https://www.youtube.com/watch?v=97VFclJ8dbo
	Types of cultures	https://www.youtube.com/watch?v=97VFclJ8dbo
	Types of cultures	https://www.youtube.com/watch?v=97VFclJ8dbo
	Nutritional requirements, growth and their maintenance	https://www.youtube.com/watch?v=rRv6voFLzyg
	Applications of plant tissue culture in Pharmacognosy	https://www.youtube.com/watch?v=rRv6voFLzyg
UNIT IV	Applications of plant tissue culture in Pharmacognosy	https://www.youtube.com/watch?v=97VFclJ8dbo
	Introduction to secondary metabolites (Glycosides, Tannins)	https://www.youtube.com/watch?v=qe4uMXqCaUs
	Introduction to secondary metabolites Volatile Oils & Resins and Resins Combinations	https://www.youtube.com/watch?v=b-BLRsT110g
UNIT V	Introduction to secondary metabolites (Alkaloids)	https://www.youtube.com/watch?v=szP-B6tFABM
	Fibers - Cotton, Jute, Hemp	https://www.youtube.com/watch?v=MtTbDhrc13g
	Hallucinogens, Teratogens	https://www.youtube.com/watch?v=-TaZtmP-kC8
	Natural allergens	https://www.youtube.com/watch?v=-TaZtmP-kC8
	Carbohydrates	https://www.youtube.com/watch?v=1V8jZ6-B9x4
	Proteins and Enzymes	https://www.youtube.com/watch?v=2hI4GCVAA7s
	Lipids (Waxes, fats, fixed oils)	https://www.youtube.com/watch?v=j0J0RVFEV18
Marine Drugs	https://www.youtube.com/watch?v=CGx4oxFKr7E	

Pharmacology

First Year-SEM I
THEORY

Human anatomy and physiology- I

Unit	Chapter	YouTube Link/s
Unit-I	a)Introduction to human body	https://www.youtube.com/watch?v=O22InQOK83k&pbjreload=101
	b) Cellular level of organization	https://www.youtube.com/watch?v=Of4ps8E12eI https://www.youtube.com/watch?v=X6iktVriAKA
	c) Tissue level of organization	https://youtu.be/52EIKAd2Brk , https://youtu.be/4m93KwQfmW4
Unit-II	a) Skeletal system	https://youtu.be/Czs5AYTR9eg
Unit-III	a)Body fluids and Blood	https://www.youtube.com/watch?v=T7U-yzyFSQ4&t=4s , https://www.youtube.com/watch?v=2qn4J41sqm8&t=6s https://www.youtube.com/watch?v=ZeMoaU9Ta-s&t=4s https://www.youtube.com/watch?v=aNaWzhecZe0&t=3s
	b) Lymphatic system	https://www.youtube.com/watch?v=b_vgp-NOiFU&t=3s https://www.youtube.com/watch?v=pFwWcXKd7w8&t=3s https://www.youtube.com/watch?v=9fyxoYbRgMY&t=3s
Unit-IV	a)Peripheral nervous system	https://youtu.be/jVVIFFMiQhk-
	b)Special senses	https://youtu.be/AhnIQo-eb_c https://youtu.be/-Hz8zf4XB30
Unit-V	a)Cardiovascular system	https://youtu.be/sTWOPTeAF5c-

PRACTICAL

BP107P Human anatomy and physiology- I

Expt. No.	Name of Experiment	YouTube Link/s
1	Study of compound microscope.	https://drive.google.com/file/d/1ok5FzGe5IPQ6wIEWa56YUmeTGQnXUWX9/view
2	Microscopic study of epithelial and connective tissue	https://drive.google.com/file/d/1c11vsY3QH9AB72eOPuXZBNCqQOJJ2U11/view https://www.youtube.com/watch?v=ANX1VeCFrB4
3	Microscopic study of muscular and nervous tissue	https://drive.google.com/file/d/1c11vsY3QH9AB72eOPuXZBNCqQOJJ2U11/view
4	Identification of axial bones	https://drive.google.com/file/d/1EBIo8kQlNa0xDrWr9Uhj131c86idobPV/view https://youtu.be/oUY06uDpVmg
5	Determination of bleeding time	https://drive.google.com/file/d/1yfbTwY-2JawC5KsFafQV4SLaAtLfPuf/view?usp=sharing https://youtu.be/hlz8b3U8pMQ
6	Determination of blood group.	https://drive.google.com/file/d/1VSBIFeJXtgTBnsRahI_5vBDEUDRITCq/view

First Year-SEM II THEORY

Unit	Chapter	YouTube Link/s
BP201T Human Anatomy and Physiology II		
Unit-I	a)Nervous system	https://youtu.be/XYD9hWIZhBI https://youtu.be/fXHAawXa0go https://youtu.be/XYD9hWIZhBI https://youtu.be/fXHAawXa0go
Unit-II	a)Digestive system b)Energetics	https://youtu.be/dPJ587U8MKw https://youtu.be/oLTFoeH2sUc
Unit-III	a)Respiratory system	https://youtu.be/drpum30Tclw https://youtu.be/J1vv74X2Ybg https://youtu.be/QxrL8Z2q6MY https://youtu.be/kJYCJeRgaAM
	b)Urinary system	https://youtu.be/kJYCJeRgaAM
Unit-IV	a)Endocrine system	https://youtu.be/YvhPiSBu76E https://youtu.be/Qwig6QlhK1k

Unit	Chapter	YouTube Link/s
		https://youtu.be/u5JByysJyek
Unit-V	a) Reproductive system	https://www.youtube.com/watch?v=YEcF0ffC8E1 https://youtu.be/B3Z9J1_N-Nk https://youtu.be/u5R4oHbYY8M
	b) Introduction to genetics	https://youtu.be/YvoUZt0J-X8
BP 204T. Pathophysiology		
Unit-I	a) Basic principles of Cell injury and Adaptation	https://youtu.be/dc1wgsiB9SU https://youtu.be/pb3Dbm5VWrM
	b) Basic mechanism of inflammation and repair	https://youtu.be/mRQenKoe3PU
Unit-II	a) Cardiovascular System	https://youtu.be/QdgarqLsvzg
	b) Respiratory system	https://youtu.be/vFVimTxLfVU
	c) Renal system	https://youtu.be/F_Q5Vsc8-6U
Unit-III	a) Hematological Diseases	https://youtu.be/p4od8ytFbCs https://www.youtube.com/watch?v=PBhGi6ZRaA&t=10s
	b) Endocrine system Diabetes, Thyroid diseases	https://youtu.be/Odkaka58Peg https://www.youtube.com/watch?v=LPeKoKs9VV0&t=321s https://www.youtube.com/watch?v=avogC4717OY&t=9s
	c) Nervous system Epilepsy, Parkinson's disease, Stroke Psychiatric disorders: Depression	https://www.youtube.com/watch?v=c8iBLchIbUo&t=8s https://www.youtube.com/watch?v=Y3w9_yohf3U&t=9s
	d) Gastrointestinal system Peptic Ulcer, Inflammatory Bowel Diseases, Jaundice, Hepatitis (A,B,C,D,E,F), Alcoholic liver disease	https://www.youtube.com/watch?v=aAID0keIZAE&t=10s https://youtu.be/LIFCwhk-hQw https://youtu.be/B9ZAAAtQzKDU https://youtu.be/KGoLEshi4pQ
Unit-IV	a) Diseases of bones and joints	https://youtu.be/aIU7l_taNLU https://youtu.be/PTz7H3I2N8s https://youtu.be/jxwLWXQNObg
Unit-V	a) Infectious diseases Tuberculosis, Leprosy, Malaria, Dengue, Meningitis, Typhoid, Urinary Tract infections	https://youtu.be/j4nth5CD8Ao https://youtu.be/hbWHwUnn8hk

PRACTICALS

BP207P Human anatomy and physiology- I

Expt. No.	Name of Experiment	YouTube Link/s
1.	To study the Integumentary and special senses using specimen, models, etc.	https://drive.google.com/file/d/1UrUa4XwDvqpTBSp8mAXkp1ddrepdJgsV/view?usp=sharing https://drive.google.com/file/d/11oKfVwy1MSUg4c_ZWRilfoON5oZa7bsB/view?usp=sharing
2.	To study the nervous system using specimen, models, etc.,	https://drive.google.com/file/d/1y3-Tro1yOYKzLzcx4NldwOpLTjMorj-W/view?usp=sharing
3.	To study the endocrine system using specimen, models, etc	https://drive.google.com/file/d/17V4ymtk9wNoSJa99CvLzTjPDn89pL5Wu/view?usp=sharing
4.	To demonstrate the function of olfactory nerve	https://drive.google.com/file/d/1jfZ54yp6rSIG3OZc5YaXhZ4sS1k-cmTx/view?usp=sharing
5.	To demonstrate the reflex activity	https://drive.google.com/file/d/1-Ciei2i03tjIUWELKkUUGovHW5Qe2gc9/view?usp=sharing
6.	Recording of body temperature	https://drive.google.com/file/d/1c6xLt5y-I6-RWZsq6_jRKnUsjIbhX69G/view?usp=sharing
7.	To demonstrate positive and negative feedback mechanism.	https://drive.google.com/file/d/1vGv2ti_s9a_7N6MC-swssP3m-5hB5wb5/view?usp=sharing
8.	Determination of tidal volume and vital capacity.	https://drive.google.com/file/d/1lhrEtYI9-lJf_1v5M1bVj5FmHop2Te_r/view?usp=sharing
9.	Study of Digestive, respiratory, cardiovascular systems, urinary and reproductive systems	https://youtu.be/rmKJIRu3aos
10.	Recording of basal mass index.	https://drive.google.com/file/d/1iShdqm-oFqtGPzu6orxGPFw5-Vccmcr2/view?usp=sharing
11.	Study of family planning devices and pregnancy diagnosis test.	https://drive.google.com/file/d/1aRIRpnKjI6rPiRhoA5OnS-YMv_VUG-X6/view?usp=sharing

**Second Year-SEM IV
THEORY**

BP 404 T. PHARMACOLOGY-I (Theory)		
Unit-I	a)Basic principles of Cell injury and Adaptation	https://youtu.be/dc1wgsiB9SU https://youtu.be/pb3Dbm5VWrM
	b)Basic mechanism of inflammation and repair	https://youtu.be/mRQenKoe3PU
Unit-II	a)Cardiovascular System	https://youtu.be/QdgarqLsvzg
	b)Respiratory system	https://youtu.be/vFVimTxLfVU
	c)Renal system	https://youtu.be/F_Q5Vsc8-6U
Unit-III	a)Haematological Diseases	https://youtu.be/p4od8ytFbCs https://www.youtube.com/watch?v=PBhIGi6ZRaA&t=10s
	b)Endocrine system Diabetes, Thyroid diseases	https://youtu.be/Odkaka58Peg https://www.youtube.com/watch?v=LPeKoKs9VV0&t=321s https://www.youtube.com/watch?v=avogC4717OY&t=9s
	c)Nervous system Epilepsy, Parkinson's disease, Stroke Psychiatricdisorders: Depression	https://www.youtube.com/watch?v=c8iBLchIbUo&t=8s https://www.youtube.com/watch?v=Y3w9_yohf3U&t=9s https://www.youtube.com/watch?v=aAID0keIZAE&t=10s https://youtu.be/LIFCwhk-hQw https://youtu.be/B9ZAAAtQzKDU https://youtu.be/KGoLEshi4pQ
Unit-IV	a)Diseases of bones and joints	https://youtu.be/aIU7l_taNLU https://youtu.be/PTz7H3I2N8s https://youtu.be/jxwLWXQNBg
Unit-V	a)Infectious diseases Tuberculosis, Leprosy, Malaria, Dengue, Meningitis, Typhoid, Urinary Tract infections	https://youtu.be/HsA-1wzTXc https://youtu.be/RMCkKzEpzI https://youtu.be/j4nth5CD8Ao https://youtu.be/hbWHwUnn8hk

PRACTICALS

Expt.No.	Name of Experiment	YouTube Link/s
BP 408 P.PHARMACOLOGY-I (Practical)		
1	Introduction to experimental pharmacology.	https://drive.google.com/file/d/1pivvd8if24bE-JXIHu7L6j23iosEjswq/view?usp=sharing
2	Commonly used instruments in experimental pharmacology.	https://drive.google.com/file/d/1_fyPBX-q_w9AotFd01JwOnxX-kwaepg/view?usp=sharing
3	Study of common laboratory animals.	https://drive.google.com/file/d/1UB162qHtANpw5hM44_dr-twJR6PI3BIA/view?usp=sharing
4	Maintenance of laboratory animals as per CPCSEA guidelines.	https://drive.google.com/file/d/1-a4V0oIgmbryp_wNpI4jN6dHeIi9zG0V/view?usp=sharing
5	Common laboratory techniques. Blood withdrawal, serum and plasma separation, anesthetics and euthanasia	https://drive.google.com/file/d/10tTffielrD9qr_-Py2Cbg7y_5CEBLQY/view?usp=sharing
6	Study of different routes of drugs administration in mice/rats.	https://youtu.be/ttF-Hvgy6IY
7	Study of effect of hepatic microsomal enzyme inducers on the Phenobarbitone sleeping	https://drive.google.com/file/d/1VShRy_eG8X0fj_mSTeP8WT76jBEqn-TM/view?usp=sharing
8	Effect of drugs on ciliary motility of frog oesophagus	https://drive.google.com/file/d/1F5P0iIbIy1swg-7g-kVdHfWXymvly7Jt/view?usp=sharing
9	Effect of drugs on rabbit eye.	https://drive.google.com/file/d/1T4jXBb1IYPRbCFQtUAr19hZius7mBzN2/view?usp=sharing
10	Effects of skeletal muscle relaxants using rota-rod apparatus.	https://drive.google.com/file/d/1a7-_LY1FbrAbCJmx11WFP5GwnhZX3Ac2/view?usp=sharing
11	Effect of drugs on locomotor activity using actophotometer.	https://drive.google.com/file/d/1cFrzTGaiK84K8skIYbYXzL82eSlcPiVa/view?usp=sharing
12	Anticonvulsant effect of drugs byMES and PTZ method.	https://drive.google.com/file/d/1cohrUjk3nu2oIWAfYp9hmICK58d5SMhP/view?usp=sharing
13	Study of stereotype and anti-catatonic activity of drugs on rats/mice.	https://drive.google.com/file/d/1z4wVHMBIy46I-7ScqeQsrh5nbU0lcY_/view?usp=sharing
14	Study of anxiolytic activity of drugs using rats/mice.	https://drive.google.com/file/d/1mj5pB1CHNvgSVdpNfBYGIYLNHHN-FemJ/view?usp=sharing
15	Study of local anesthetics by different methods	https://drive.google.com/file/d/1PU2Ffy5ZHqABgS-xcnBLKfaHgda8kFyG/view?usp=sharing

**Third Year-SEM V
THEORY
BP507P Pharmacology II**

Unit	Chapter	YouTube Link/s
1	Pharmacology of drugs acting on cardiovascular system	https://youtu.be/uzz0Rv_qUaY https://youtu.be/YX7nIPF3LRM https://youtu.be/4PdBZOiNsUQ https://youtu.be/P40G_kgJaVI https://youtu.be/t-7o8atPYJs https://youtu.be/CwaJmcQpb84 https://youtu.be/UO08LSVeB2U https://youtu.be/jrFP9ImQHyl https://youtu.be/KkrbRSiwUS0 https://youtu.be/Piq7bN0HLKY https://youtu.be/RfuwUT4Y08w https://youtu.be/IcE0yRdx2lc https://youtu.be/-MIM7xZKPks https://youtu.be/66IDjdxO98 https://youtu.be/28d_v7yZ6jg https://youtu.be/CHNHfqQAU0k https://youtu.be/vQ1DaDVPWmA https://youtu.be/FayoHFLTB2E https://youtu.be/DiH7rW0psYU https://youtu.be/rGiGTz4cEmQ-
2	Pharmacology of drugs acting on cardiovascular system: Drug used in the therapy of shock. Hematinics, Coagulants and anticoagulants Pharmacology of drugs acting on urinary system	https://youtu.be/jNHGhB-mauI https://youtu.be/3csRWWEw1cw https://youtu.be/WPVVbxTE89c https://youtu.be/jUsCODgANTQ https://youtu.be/FMfjYPAmdfc https://youtu.be/EIIPmsrk6E https://youtu.be/C_dpvVsFwak https://youtu.be/KujD6-dcbD4 https://youtu.be/ugaHW7mnuWU https://www.youtube.com/watch?v=Qqdf2bHCGiY https://www.youtube.com/watch?v=wn-4YBKK8-U https://www.youtube.com/watch?v=8SsoSTeVAGk

PRACTICALS

Expt. No.	Name of Experiment	YouTube Link/s
BP608P Pharmacology III		
1.	Study of anti-ulcer activity of a drug using pylorus ligand (SHAY) rat model and NSAIDS induced ulcer model.	https://drive.google.com/file/d/1LVcEbIJg1rnoauwvIXBRVYuyE0EMvKuj/view?usp=sharing
2.	Effect of agonist and antagonists on guinea pig ileum	https://drive.google.com/file/d/1CrrjhZdi_jRRyoHSXzrc_tym8sgKYquo/view?usp=sharing
3.	Estimation of serum biochemical parameters by using semi- autoanalyser	https://drive.google.com/file/d/1X44ErerQn_Ctg4YxwJXrTVTUyCuWN4do/view?usp=sharing
4.	Effect of saline purgative on frog intestine	https://drive.google.com/file/d/1f3efSQkrYzpgaD3NgwmW02GYsrr5wX68/view?usp=sharing
5.	Test for Pyrogens (rabbit method)	https://drive.google.com/file/d/14ys8NplAWQi0HWJuN2H9rvycBHtt1uRF/view?usp=sharing
6.	Determination of acute oral toxicity (LD50) of a drug from a given data	https://drive.google.com/file/d/1aGc5gEQvxsfBkKbMt-gv-5T_1bKxaJdH/view?usp=sharing
7.	Determination of acute eye irritation / corrosion of a test substance	https://drive.google.com/file/d/1cZG5HWFJ1W0NsNIUm9MatgrIORwy3uOr/view?usp=sharing
8.	Biostatistics methods in experimental pharmacology (student's t test, ANOVA)	https://drive.google.com/file/d/17Bi69f0KMsWthv035bdyYUUhczDeLCTo/view?usp=sharing

Sr. No.	Name of Faculty	Channel Name	Topic	Link	No. Of Videos
1.	Dr. K.S. Jain	Kishor Jain	Emerging Trends in Drug Discovery	https://www.youtube.com/watch?v=oArNDnc7-XO	28
			IR Spectroscopy Part 5: Question Answers & Assignments	https://www.youtube.com/watch?v=C7AwTwqmy_Q	
			Infrared Spectroscopy Part-4: FTIR Theory, Instrumentation and Applications of IR.	https://www.youtube.com/watch?v=lmYf_aUpRYo	
			Infrared Spectroscopy-Part-3: Instrumentation & Handling	https://www.youtube.com/watch?v=CXdOPuP5zSc	
			New Drug Discovery Methods & Tools Part I	https://www.youtube.com/watch?v=a7yggDfIX4I	
			Polycyclic Aromatic Hydrocarbons (PAH) Part 4 Dr K S Jain	https://www.youtube.com/watch?v=PvRI6aU7RFk	
			PAH 3 Phenanthrene Dr K S Jain	https://www.youtube.com/watch?v=W19fxpc3My4	
			PAH 2 Anthracene Dr K S Jain	https://www.youtube.com/watch?v=dnMkRjgwy_0	
			PAH 1 : Napthalene Dr K S Jain	https://www.youtube.com/watch?v=2avsx_IBKtI	
			IR Part 2 the IR Spectrum	https://www.youtube.com/watch?v=fqdCQT8XHhO	
			InfraRed Spectroscopy: Part I Theoretical Aspects Dr K S Jain	https://www.youtube.com/watch?v=cjY4fVU_g	
			Benene and Aromaticity- Part 1 Struture & Orbital picture Dr K S Jain	https://www.youtube.com/watch?v=ppl8NKWgdYk	
			Benene and Aromaticity- Part 2 Resonance & Aromaticity Dr K S Jain	https://www.youtube.com/watch?v=Uf1F4P-Jifg	
			Benzene & Aromaticity Part 5- Selected derivatives & MCQs	https://www.youtube.com/watch?v=rz6wPUGTXYo	
			Benzene and Aomaticity - Part 4- Orientation of substitution in monosubstituted benzenes	https://www.youtube.com/watch?v=1O-7Emji-ps	
			Benzene and Aromaticity -Part 3- Electrophilic Aromatic Substitution by Dr K S Jain	https://www.youtube.com/watch?v=61HA6tAyi1O	
			IUPAC Nomenclature of Organic Compounds by Dr K S Jain	https://www.youtube.com/watch?v=iQ53eBqdGck	
			Classification of Organic Compounds- By Dr K.S.Jain	https://www.youtube.com/watch?v=lg68qZnGt_8	
			Career Opportunities in Pharamay	https://www.youtube.com/watch?v=iicaCd9roVQ	
Molecular modeling-CADD basics -Dr K S Jain	https://www.youtube.com/watch?v=A55vEBdXfeQ				

Sr. No.	Name of Faculty	Channel Name	Topic	Link	No. Of Videos
			QSAR (Hansch's LFER) Explained Dr K S JAIN	https://www.youtube.com/watch?v=8v7htORwWrA	
			DRUG DESIGN I Earlier Approaches Dr K S Jain	https://www.youtube.com/watch?v=NXIYVjml8p8	
			Fibonacci in Drug Design	https://www.youtube.com/watch?v=kywOT8-uXks	
			3D QSAR Dr K S Jain	https://www.youtube.com/watch?v=9wOUAzTXeZo	
			Dr K S Jain : Aldehydes & Ketones	https://www.youtube.com/watch?v=rK8-WLlgSEw	
			Dr K S Jain : ANTI-TUBERCULAR AGENTS	https://www.youtube.com/watch?v=LlAlvYIZoT4	
			Dr K S Jain- ANTIMALARIALS	https://www.youtube.com/watch?v=_6m5Yw78rQs	
2.	Dr. J.S.Dhumal	Jeevan Dhumal	Pharmacognosy of Jute (S Y B Pharmacy Sem IV	https://www.youtube.com/watch?v=vUMG2kXoX6g	03
			Pharmacognosy of Hemp (S Y B Pharmacy Sem IV)	https://www.youtube.com/watch?v=o52eOswqwTc	
			Pharmacognosy of Cotton (S Y B Pharmacy as pePCI syllabus	https://www.youtube.com/watch?v=-jVqeZIDnnl	
3.	Prof. A. N. phuge	Ashish Phuge	Synthetic Antibacterial Agents - Part 1	https://www.youtube.com/watch?v=cleHhFD1dS0	20
			Autocoids	https://www.youtube.com/watch?v=a8kTeD9lxZc	
			Fats and Oils	https://www.youtube.com/watch?v=ZWw59PS_gMw	
			Cycloalkanes	https://www.youtube.com/watch?v=Dk4hwkOHifQ	
			Macrolide Antibiotics	https://www.youtube.com/watch?v=RVYLigYHpRo	
			Polypeptide Antibiotic	https://www.youtube.com/watch?v=f-gBFprRIhk	
			Antitubercular Agents	https://www.youtube.com/watch?v=lqSO7CCY0X4	
			Aminoglycosides	https://www.youtube.com/watch?v=ncj8jLO1cTY	
			Antiameobic Drugs	https://www.youtube.com/watch?v=YSCfPys19Qk	
			Isoniazid	https://www.youtube.com/watch?v=CVvNKf8lPKE	
			Beta Lactamase Inhibitors	https://www.youtube.com/watch?v=VwoLYDjP4O8	
			Antileprotic Drugs	https://www.youtube.com/watch?v=DroHV6bp-Ms	
			Tetracycline Antibiotics	https://www.youtube.com/watch?v=6LToiy5YRoU	
			Flucytosine	https://www.youtube.com/watch?v=mTBSXM-fW8Q	
			Azoles	https://www.youtube.com/watch?v=VxZXiyYFrIw	
			Polyene Antibiotic	https://www.youtube.com/watch?v=W_SSvEe8Fv4	
			Antiviral Agents	https://www.youtube.com/watch?v=VqO7UrdOLLY	
			Anthelmintics	https://www.youtube.com/watch?v=89trUvhlfxE	
Chloramphenicol	https://www.youtube.com/watch?v=aPyEEuEFQwE				
Antifungal Agents	https://www.youtube.com/watch?v=bYh3tRB_9IU				
4.	Prof A.K. Thikekar	Archana Thikekar	IR spectroscopy	https://www.youtube.com/watch?v=pmcOkQB59lw	1