

BPharm

1	Fitle of the Course	Pharmaceuti	cal Jurisprudence											
	Course Code	BP505T												
					Part A									
					Part		L	т	Р	С				
	Year	3rd	Semester	5th		Credits 3 1 0								
	Course Type	Theory only												
	Course Category	Discipline Co	pre											
	Pre-Requisite/s					Co-Requisite/s								
	Course Outcomes & Bloom's Level	CO2- To rela CO3- To app CO4- To und	te the significance of Drugs and ly the knowledge on schedule erstand the functions of pharm	nd cosmetics ac es pertaining to I macy councils ar	t 1940 and it Drugs and co nd implemen	on, medical termination of pregnancy and inte s rules 1945 in relation to import and manufac smetics act 1940 and its rules 1945 and also tation of education regulations in pharmacy (B tet and narcotic drugs and psychotropic subst	ture of drugs(B administration of L2-Understand	L2-Understand f the act and rul)) es(BL3-Apply)					
Skill Development ✓ Entrepreneurship × Employability × Professonal Ethics ✓ SDG (r Gender ✓ Human Values ✓ Environment ×						SDG3(Good health and well-being) SDG4(Quality education) SDG5(Gender equality) SDG10(Reduced inequalities) SDG12(Responsible consuption and production)								
	-				Part E	3								
Modules		Cont	ents			Pedag	ogy			Hours				
Drugs and Cosmetics Act, 1940 and its rules 1945: Objectives, Definitions, Legal definitions of schedules to the Act and Rules Import of drugs – Classes of drugs and cosmetics prohibited from import, Import under license or permit. Offences and penalties. Manufacture of drugs, Prohibition of manufacture and sale of certain drugs, Conditions for grant of license and conditions of license for manufacture of drugs, Manufacture of rugs for test, examination and analysis, manufacture of new drug, Ioan license and repacking license.					Lecture based learning, interactive class, Peer tutorial, Class using ICT tool/PPT/white board									
2.	Drugs and Cosmetics Act, 194 N, P, T, U, V, X, Y, Part XII B, S and Restricted license. Offenci labeling requirements and spe colors. Offences and penalties Advisory Board, Central drugs drug analysts, licensing authol	Sch F & DMR (es and penalti- cimen labels fr . Administratio Laboratory, D	OA) Sale of Drugs – Wholesa es Labeling & packing of drug or drugs and cosmetics, List o n of the Act and Rules – Drug rugs Consultative Committee,	le, Retail sale s- General f permitted s Technical Government	Lecture ba	sed learning, interactive class, Peer tutorial, C	lass using ICT t	ool/PPT/white b	bard	10				
Pharmacy Act –1948: Objectives, Definitions, Pharmacy Council of India; its constitution and functions, Education Regulations, State and Joint state pharmacy councils; constitution and functions, Registration of Pharmacists, Offences and Penalties Medicinal and Toilet Preparation Act –1955: Objectives, Definitions, Licensing, Manufacture In bond and Outside bond, Export of alcoholic preparations, Manufacture of Ayurvedic, Homeopathic, Patent & Proprietary Preparations. Offences and Penalties. Narcotic Drugs and Psychotropic substances Act-1985 and Rules: Objectives, Definitions, Authorities and Officers, Constitution and Functions of narcotic & Psychotropic Consultative Committee, National Fund for Controlling the Drug Abuse, Prohibition, Control and Regulation, opium poppy cultivation and production of poppy straw, manufacture, sale and export of opium, Offences and Penalties						sed learning, interactive class, Peer tutorial, C	lass using ICT t	ool/PPT/white b	pard	10				
 Study of Salient Features of Drugs and Magic Remedies Act and its rules: Objectives, Definitions, Prohibition of certain advertisements, Classes of Exempted advertisements, Offences and Penalties Prevention of Cruelty to animals Act-1960: Objectives, Definitions, Institutional Animal Ethics Committee, CPCSEA guidelines for Breeding and Stocking of Animals, Performance of Experiments, Transfer and acquisition of animals for experiment, Records, Power to suspend or revoke registration, Offences and Penalties National Pharmaceutical Pricing Authority: Drugs Price Control Order (DPCO)- 2013. Objectives, Definitions, Sale prices of bulk drugs, Retail price of formulations, Retail price and ceiling price of scheduled formulations, National List of Essential Medicines (NLEM) 						sed learning, interactive class, Peer tutorial, C	lass using ICT t	ool/PPT/white b	pard	8				
Pharmaceutical Legislations – A brief review, Introduction, Study of drugs enquiry committee, Health survey and development committee, Hathi committee and Mudaliar committee Code of Pharmaceutical ethics Definition, Pharmacist in relation to his job, trade, medical profession and his profession, Pharmacist's oath Medical Termination of Pregnancy Act Right to Information Act Introduction to Intellectual Property Rights (IPR)					Lecture bas	sed learning, interactive class, Peer tutorial, C	lass using ICT t	ool/PPT/white b	bard	7				
					Part C	2								

 Modules
 Indicative-ABCA/PBL/ Experiments/Field work/ Internships
 Bloom's Level
 Hours

 1
 visit of Wholesale, Retail sale and Restricted license.
 Field work
 BL2-Understand
 6

	Part D(Marks Distribution)											
Theory												
Total Marks	Minimum Passing Marks	External Evaluation	Min. External Evaluation	Internal Evaluation	Min. Internal Evaluation							
100	50	75	38	25	13							
			Practical									
Total Marks	Minimum Passing Marks	External Evaluation	Min. External Evaluation	Internal Evaluation	Min. Internal Evaluation							

	Part E
Books	1. A text book of Forensic Pharmacy by N.K. Jain 2. Drugs and Cosmetics Act/Rules by Govt. of India publications. 3. Medicinal and Toilet preparations act 1955 by Govt. of India publications
Articles	https://www.iptsalipur.org/wp-content/uploads/2020/08/BP505T-PJ-UNIT_III.pdf
References Books	1 Medicinal and Toilet preparations act 1955 by Govt. of India publications. 2. Narcotic drugs and psychotropic substances act by Govt. of India publications 3. Drugs and Magic Remedies act by Govt. of India publication 4. Bare Acts of the said laws published by Government. Reference books (Theory
MOOC Courses	https://nptel.ac.in/
Videos	You tube

Course Articulation Matrix

COs	PO1	PO2	PO3	PO4	PO5	PO6	P07	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	-	-	-	-	-	-	-	3	-	-	-	-	-	2	3
CO2	-	-	-	-	-	-	-	3	-	1	-	-	1	2	2
CO3	-	-	-	-	-	-	-	3	-	-	-	-	1	2	-
CO4	-	-	-	-	-	-	-	3	-	1	-	-	-	-	3
CO5	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-
CO6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



BPharm

٦	Title of the Course	Pharmacy Prac	tice											
	Course Code	BP703T												
				Part A										
					L T P									
	Year	4th	Semester	7th	Credits 3 1 0									
	Course Type	Theory only							-	1				
	Course Category	Discipline Core	9											
	Pre-Requisite/s				Co-Requisite/s									
	•	CO1- To acqui	re the knowledge on organization of ho	spitals, various methods of	distri	bution and hospital formulary in hos	pitals and	apply it in	the practice	of pharmacy.(BL1-			
	Course Outcomes & Bloom's Level	CO3- To demo Understand) CO4- categoriz programmes in	e the organization and structure of con nstrate the knowledge of therapeutic of the and evaluate the role of hospital pho- hospitals. (BL1-Remember) ret clinical laboratory tests of specific of	rug monitoring, patient med armacist in pharmacy and th	licatio nerapo	n history interview and to apply the eutic committee, drug information se	knowledge ervices, pat	on asses	sment of dru	ug related prob				
	Coures Elements	SDG (Goals)		SDG1(No poverty) SDG2(Zero hunger) SDG3(Good health and well-bein; SDG4(Qualtly education) SDG5(Gender equality) SDG6(Clean water and sanitation										
				D- + D										
Modules		Conter	nts	Part B		Pedagogy					Hours			
modules	a) Hospital and it's organizatio			any		i caugogy					Tiours			
 a) Hospital and it's organization Definition, Classification of hospital- Primary, Secondary, and Tertiary hospitals, Classification based on clinical and non-clinical basis, Organization Structure of a Hospital, and Medical staffs involved in the hospital and their functions. b) Hospital pharmacy and its organization Definition, functions of hospital pharmacy, Organization structure, Location, Layout and staff requirements, and Responsibilities and functions of hospital pharmacists. c) Adverse drug reaction Classifications - Excessive pharmacological effects, secondary pharmacological effects, idiosyncrasy, allergic drug reactions, genetically determined toxicity, toxicity following sudden withdrawal of drugs, Drug interaction- beneficial interactions, adverse interactions, and pharmacokinetic drug interactions, Methods for detecting drug interactions, spontaneous case reports and record linkage studies, and Adverse drug reaction reporting and management. d) Community Pharmacy Organization and structure of retail and wholesale drug store, Jopsen and design, Legal requirements for establishment and maintenance of a drug store. Dispensing of proprietary products, maintenance of records of retail and wholesale drug store. 				ts, Lecture based learni	ng, in	teractive class, Peer tutorial, Class	using ICT t	ool/PPT/w	hite board		10			
UNIT 2	a) Drug distribution system in a hospital Dispensing of drugs to inpatients, types of drug distribution systems, charging policy and labelling, Dispensing of drugs to ambulatory patients, and Dispensing of controlled drugs. b) Hospital formulary Definition, contents of hospital formulary, Differentiation of hospital formulary and Drug list, preparation and revision, and addition and deletion of drug from hospital formulary. c) Therapeutic drug monitories the Northera to				of Lecture based learning, interactive class, Peer tutorial, Class using ICT tool/PPT/white board						10			
UNIT 3	a) Pharmacy and therapeutic committee Organization, functions, Policies of the pharmacy and therapeutic committee in including drugs into formulary, inpatient and outpatient prescription, automatic stop order, and emergency drug list preparation. b) Drug information services Drug and Poison information center, Sources of drug information, Computerized services, and storage and retrieval of information. Patient counselind Definition of patient counseling: steps involved in patient counseling.										10			
UNIT 4	Pharmacy Introduction to Clini responsibilities of clinical phare clinical review, pharmacist inte Pharmaceutical care. Dosing p	cal Pharmacy, C macist, Drug the rvention, Ward ro pattern and drug punter (OTC) sale	ation and implementation b) Clinical oncept of clinical pharmacy, functions rapy monitoring - medication chart revi ound participation, Medication history - therapy based on Pharmacokinetic & es Introduction and sale of over the counter medications.	ew,	ng, in	teractive class, Peer tutorial, Class	using ICT t	ool/PPT/w	hite board		08			
UNIT 5	materials stocked and storage purchase procedure, purchase quantity, Reorder quantity leve expenditure b) Investigational	conditions, Purc order, procurent I, and Methods u use of drugs Des	ol Organization of drug store, types of hase and inventory control: principles, nent and stocking, Economic order used for the analysis of the drug scription, principles involved, pital pharmacist, advisory committee.		ng, in	teractive class, Peer tutorial, Class	using ICT t	ool/PPT/w	hite board		07			

Part C Indicative-ABCA/PBL/ Experiments/Field work/ Internships Bloom's Level Title Modules Hours 1 Visit of ITM Hospital Internships BL2-Understand 3 2 Visit of ITM Hospital Field work BL2-Understand 2

	Part D(Marks Distribution)											
Theory												
Total Marks	Minimum Passing Marks	External Evaluation	Min. External Evaluation	Internal Evaluation	Min. Internal Evaluation							
100	50	75	38	25	13							
			Practical									
Total Marks	Minimum Passing Marks	External Evaluation	Min. External Evaluation	Internal Evaluation	Min. Internal Evaluation							

	Part E
Books	1.Merchant S.H. and Dr. J.S.Quadry. A textbook of hospital pharmacy, 4th ed. Ahmadabad: B.S. Shah Prakakshan; 2001. 2.Parthasarathi G, Karin Nyfort-Hansen, Milap C Nahata. A textbook of Clinical Pharmacy Practice- essential concepts and skills, 1st ed. Chennai: Orient Longman Private Limited; 2004.
Articles	6. Therapeutic drug monitoring. ISSN: 0163-4356 7. Journal of pharmacy practice. ISSN: 0974-8326 8. American journal of health system pharmacy. ISSN: 1535-2900 (online) 9. Pharmacy times (Monthly magazine)
References Books	3. Tipnis Bajaj. Hospital Pharmacy, 1st ed. Maharashtra: Career Publications; 2008. 4. Scott LT. Basic skills in interpreting laboratory data, 4thed. American Society of Health System Pharmacists Inc; 2009. 5. Parmar N.S. Health Education and Community Pharmacy, 18th ed. India: CBS Publishers & Distributers; 2008.
MOOC Courses	https://nptel.ac.in/, https://www.udemy.com/
Videos	You tube

Course Articulation Matrix

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3	1	-	-	-	2	-	-	-	-	3	-	1	2	1
CO2	3	1	-	1	-	2	-	-	-	-	3	-	1	1	1
CO3	2	2	-	-	-	1	-	-	-	-	3	-	1	1	1
CO4	3	1	-	1	-	2	-	-	-	-	2	-	1	1	1
CO5	2	1	-	1	-	1	1	-	-	-	2	-	1	2	1
CO6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



BPharm

Title of the Course	Practice Sc	ctice School *										
Course Code	BP706PS											
			F	Part A								
Year	4th	Semester	7th	Credits	L	т	Р	С				
Tear	401	Semester	701	Credits	0	0	6	6				
Course Type	Project											
Course Category	Discipline C	Core										
Pre-Requisite/s	In the VII semester, every candidate shall undergo practice school for a period of 150 hours evenly distributed throughout the semester. The student shall opt for any one of the domains for practice school declared by the program committee from time to time.			Co-Requisite/s	every student shall submit a printed report (in triplicate) on the practice school he/she attended (not more than 25 page). Along with the exams of semester VII, the report submitted by the stude knowledge and skills acquired by the student through practice school shall be evaluated by the subject experts at the college lev and grade points shall be awarded.							
Course Outcomes & Bloom's Level	clinical prac CO2- To ge CO3- To de CO4- To an	ctice, patent filing, regulatory et familiarize with the aspects evelop knowledge and skills r nalyze the problems encounter	filing accounting, green a of realistic practice in the elated to practical learnin ared during realistic practi	practice in various domains such as communil uudit and article writing. (BL2-Understand) of omain of interest. (BL3-Apply) g in the domain of interest. (BL1-Remember) ice and make use of theoretical knowledge to ast after becoming an employee/entrepreneur.	resolve those pro		ufacturing, preclin	ical testing,				
Coures Elements	Skill Develo Entreprene Employabil Professson Gender ✓ Human Val Environmen	urship X ity √ al Ethics X ues √	SDG (Goals)	SDG1(No poverty) SDG3(Good health and well-being) SDG4(Quality education) SDG6(Clean water and sanitation) SDG8(Decent work and economic growth) SDG17(Partnerships for the goals)								

		Part B	
Modules	Contents	Pedagogy	Hours
1	Prostice eshabl	Practice School involves task orientation, teamwork, goal orientation and managing the interpersonal relationships. Therefore, it helps students to develop the qualities required by a graduate. A good Practice School program undertaken with all the seriousness provides an excellent learning opportunity to the student and also paves the way for successful career path.	150

	Par	t C		
Modules	Title	Indicative-ABCA/PBL/ Experiments/Field work/ Internships	Bloom's Level	Hours
1	Practice School	Field work		5

		Part	D(Marks Distribution)										
	Theory												
Total Marks	Minimum Passing Marks	External Evaluation	Min. External Evaluation	Internal Evaluation	Min. Internal Evaluation								
	0	0											
			Practical										
Total Marks	Minimum Passing Marks	External Evaluation	Min. External Evaluation	Internal Evaluation	Min. Internal Evaluation								
150	75	100	50	50	25								

	Fait E
Books	Please refer Library and Internet
Articles	Refer to the Library and Internet
References Books	Please refer Library and Internet
MOOC Courses	NA
Videos	Refer Library and Internet, NPTEL, YOU TUBE

	Course Articulation Matrix														
COs	PO1	PO2	PO3	PO4	PO5	PO6	P07	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	2	-	2	1	1	1	2	2	-	-	3	-	2	1	1
CO2	2	-	1	1	-	-	-	-	-	-	2	-	1	1	1
CO3	1	-	1	-	1	-	-	-	-	-	2	-	-	1	1
CO4	1	1	1	1	1	-	-	-	-	-	3	-	-	1	1
CO5	3	-	1	1	-	-	-	-	1	-	2	-	-	-	-
CO6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Part E



BPharm

n								
Title of the Course	Social and Pre	eventive Pharmacy						
Course Code	BP802T							
			Part A	N N				
		a <i>i</i>			L	т	Р	С
Year	4th Semester	8th	Credits	3	1	0	4	
Course Type	Theory only							
Course Category	Discipline Core	e						
Pre-Requisite/s				Co-Requisite/s				
Course Outcomes & Bloom's Level	CO2- To create CO3- To apply CO4- To evalu	the knowledge of national h	preventive measures of state lealth programmes mentione y related problems in societa	ed communicable and non-communicable dise ed in real world to serve the society.(BL2-Und al perspective.(BL5-Evaluate)	eases.(BL2-U erstand)	nderstand)		
Coures Elements	Skill Developn Entrepreneurs Employability → Professsonal R Gender ✓ Human Values Environment >	ship X ✓ Ethics ✓ s √	SDG (Goals)	SDG1(No poverty) SDG2(Zero hunger) SDG3(Good health and well-being) SDG4(Quality education) SDG5(Gender equality) SDG10(Reduced inequalities) SDG12(Responsible consuption and produc SDG152(Responsible consuption and produc SDG17(Partnerships for the goals)	stion)			

0		Part B	
Modules	Contents	Pedagogy	Hours
UNIT 1	Concept of health and disease: Definition, concepts and evaluation of public health. Understanding the concept of prevention and control of disease, social causes of diseases and social problems of the sick. Social and health education: Food in relation to nutrition and health, Balanced diet, Nutritional deficiencies, Vitamin deficiencies, Mainutrition and its prevention. Sociology and health: Socio cultural factors related to health and disease, Impact of urbanization on health and disease, Poverty and health Hygiene and health: personal hygiene and health care; avoidable habits	Lecture based learning, interactive class, Peer tutorial, Class using ICT tool/PPT/white board	10
UNIT 2	Preventive medicine: General principles of prevention and control of diseases such as cholera, SARS, Ebola virus, influenza, acute respiratory infections, malaria, chicken guinea, dengue, lymphatic filariasis, pneumonia, hypertension, diabetes mellitus, cancer, drug addiction-drug substance abuse	Lecture based learning, interactive class, Peer tutorial, Class using ICT tool/PPT/white board	10
UNIT 3	National health programs, its objectives, functioning and outcome of the following: HIV AND AIDS control programme, TB, Integrated disease surveillance program (IDSP), National leprosy control programme, National mental health program, National programme for prevention and control of deafness. Universal immunization programme, National programme for control of blindness, Pulse polio programme.	Lecture based learning, interactive class, Peer tutorial, Class using ICT tool/PPT/white board	10
UNIT 4	National health intervention programme for mother and child, National family welfare programme, National tobacco control programme, National Malaria Prevention Program, National programme for the health care for the elderly, Social health programme; role of WHO in Indian national program	Lecture based learning, interactive class, Peer tutorial, Class using ICT tool/PPT/white board	08
UNIT 5	Community services in rural, urban and school health: Functions of PHC, Improvement in rural sanitation, national urban health mission, Health promotion and education in school.	Lecture based learning, interactive class, Peer tutorial, Class using ICT tool/PPT/white board	07
		Part C	

Modules	Title	Indicative-ABCA/PBL/ Experiments/Field work/ Internships	Bloom's Level	Hours
1	Nukkad Natak Program on Awareness of woman hygiene	Field work	BL3-Apply	4

Part D(Marks Distribution)

Theory										
Total Marks	Minimum Passing Marks	External Evaluation	Min. External Evaluation	Internal Evaluation	Min. Internal Evaluation					
100	50 75		38	25	13					
Practical										
Total Marks	Minimum Passing Marks	External Evaluation	Min. External Evaluation	Internal Evaluation	Min. Internal Evaluation					

	Part E
Books	1. Short Textbook of Preventive and Social Medicine, Prabhakara GN, 2nd Edition, 2010, ISBN: 9789380704104, JAYPEE Publications 2. Textbook of Preventive and Social Medicine (Mahajan and Gupta), Edited by Roy Rabindra Nath, Saha Indranil, 4th Edition, 2013, ISBN: 9789350901878, JAYPEE Publications
Articles	Research in Social and Administrative Pharmacy, Elsevier, Ireland
References Books	1. Essentials of Community Medicine—A Practical Approach, Hiremath Lalita D, Hiremath Dhananjaya A, 2nd Edition, 2012, ISBN: 9789350250440, JAYPEE Publications 2. Park Textbook of Preventive and Social Medicine, K Park, 21st Edition, 2011, ISBN-14: 9788190128285, BANARSIDAS BHANOT PUBLISHERS. 3. Community Pharmacy Practice, Ramesh Adepu, BSP publishers, Hyderabad
MOOC Courses	https://nptel.ac.in/
Videos	https://www.youtube.com/watch?v=pF8zYdLAeKM

	Course Articulation Matrix														
COs	P01	PO2	PO3	PO4	PO5	PO6	P07	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3	-	-	-	-	3	3	3	1	-	1	-	1	3	1
CO2	2	-	-	-	-	3	3	3	1	-	1	-	1	2	1
CO3	3	-	-	-	-	3	2	3	1	-	1	-	1	3	1
CO4	2	1	-	-	-	3	2	2	-	-	2	-	1	2	1
CO5	2	-	-	1	-	3	2	1	-	-	-	-	1	2	1
CO6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Part F