

Gurugram Global College of Pharmacy



Course File

Subject Name: Social and Preventive Pharmacy

Code: BP802T


Faculty Name: Ms. Pooja Sharma

Course: B. Pharmacy

Semester: 8th

Year: 2022

Session: 2022-23

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		SEM: 8th SUBCODE: BP802T

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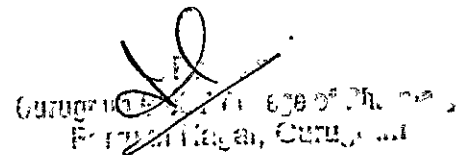
(Faculty Sign)

Ms. Pooja Sharma



(HOD)

Ms. Sweety



GURUGRAM UNIVERSITY
Ferozpur Road, Gurugram

(Principal)

Prof. (Dr.) Indira Raheja.



**VISION AND MISSION
OF
INSTITUTE**

SESSION: 2022-23
SEM: 8th
SUB CODE: BP802T

VISION OF INSTITUTE

Our vision is to improve health through innovation and leadership in pharmacy education, research and clinical practice and to transform healthcare to create positive patient outcomes.

Our core values emphasize:

1. To provide quality education to student of pharmaceutical sciences at all academic levels, using best practices and evidence-based educational approaches, which enable our graduates to advance their profession.
2. To provide an academic environment that promotes effective mentoring, professional growth, and development.
3. To be a prestigious college that advances basic, clinical and translational research.
4. To meet and improve society's health wellness and health care.
5. Lead innovative research in pharmaceutical sciences and patient care through embracing the value of interdisciplinary work.

MISSION OF INSTITUTE

Our mission is to develop pharmacists, educators and researchers whose leadership dedication and innovation improve the health of our local and global communities.

1. To provide excellent education in a stimulating environment where knowledge of basic subjects is integrated with health concerns for the world community.
2. The program teaches professional ethics, social responsibility and commitment of lifelong learning.
3. It imparts skill to work in industry, clinical set ups, drug control organization, education and research in pharmaceutical field.



**PROGRAM EDUCATIONAL
OBJECTIVES**

SESSION: 2022-23

SEM: 8th

SUB CODE: 802T

PROGRAM EDUCATIONAL OBJECTIVES

PEO1. Basic Knowledge: Graduates of the program will be having strong background in pharmaceutical sciences and able to use these tools in pharmaceutical industry, hospitals and/or institutes for success.

PEO2. Core Competence: To provide students with a solid foundation in Pharmaceutics, Pharmaceutical Chemistry, Pharmacology and Pharmacognosy fundamentals as per the requirement of Pharmaceutical Industries, Community and Hospital Pharmacy, Clinical Research and also to pursue higher studies.


PEO3. Extensiveness : To train students with respect to following aspects:

- Drug regulation
- Drug Management
- Drug Production
- Patient Management
- Management of Health Services
- Generation of Information
- Dissemination of Information
- Community Leadership
- Pharmacovigilance

PEO4. Training: To train students to excel in postgraduate programmes or to succeed in technical profession through rigorous education.

PEO5. Professionalism: To inculcate in students professional and ethical attitude, effective communication skills, teamwork skills, multidisciplinary approach, and an ability to relate Pharmaceutical Sciences issues to broader social context.


PEO6. Assessment: Graduates of the program will be able to evaluate pros and cons, benefits and deficiencies of the matter they studied; pharmaceutical technology they learned and ideology they observed in the field of pharmaceutical sciences

	PROGRAM OUTCOMES	SESSION: 2022-23
		SEM: 8th SUB CODE: BP802T

PROGRAM OUTCOMES

Pharmacist Graduates will be able to:

- 1. Pharmacy Knowledge:** Possess knowledge and comprehension of the core and basic knowledge associated with the profession of pharmacy, including biomedical sciences; pharmaceutical sciences; behavioural, social, and administrative pharmacy sciences; and manufacturing practices.
- 2. Planning Abilities:** Demonstrate effective planning abilities including time management, resource management, delegation skills and organizational skills. Develop and implement plans and organize work to meet deadlines.
- 3. Problem analysis:** Utilize the principles of scientific enquiry, thinking analytically, clearly and critically, while solving problems and making decisions during daily practice. Find, analyze, evaluate and apply information systematically and shall make defensible decisions.
- 4. Modern tool usage:** Learn, select, and apply appropriate methods and procedures, resources, and modern pharmacy-related computing tools with an understanding of the limitations.
- 5. Leadership skills:** Understand and consider the human reaction to change, motivation issues, leadership and team-building when planning changes required for Fulfilment of practice, professional and societal responsibilities. Assume participatory roles as responsible citizens or leadership roles when appropriate to facilitate improvement in health and well being.
- 6. Professional Identity:** Understand, analyze and communicate the value of their professional roles in society (e.g. health care professionals, promoters of health, educators, managers, employers, employees).
- 7. Pharmaceutical Ethics:** Honour personal values and apply ethical principles in professional and social contexts. Demonstrate behaviour that recognizes cultural and personal variability in values, communication and lifestyles. Use ethical frameworks; apply ethical principles while making decisions and take responsibility for the outcomes associated with the decisions.
- 8. Communication:** Communicate effectively with the pharmacy community and with society at large, such as, being able to comprehend and write effective reports, make effective presentations and documentation, and give and receive clear instructions.
- 9. The Pharmacist and society:** Apply reasoning informed by the contextual knowledge to assess societal, health, safety and legal issues and the consequent responsibilities relevant to the professional pharmacy practice.
- 10. Environment and sustainability:** Understand the impact of the professional pharmacy solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
- 11. Life-long learning:** Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change. Self-assess and use feedback effectively from others to identify learning needs and to satisfy these needs on an ongoing basis.

	COURSE EVALUATION SCHEME	SESSION: 2022-23
		SEM: 8th SUB CODE: BP802T

B. Pharmacy 8th Sem

COURSE CODE	NAME OF COURSE	NO. OF HOURS	TUTORIAL	CREDIT POINTS
BP802T	B. PHARMACY	3	1	4

Tables-X: Schemes for internal assessments and end-semester examinations semester-wise

Semester VIII

Course code	Name of the course	Internal Assessment				End Semester Exams		Total Marks
		Continuous Mode	Sessional Exams		Total	Marks	Duration	
			Marks	Duration				
BP801T	Biostatistics and Research Methodology – Theory	10	15	1 Hr	25	75	3 Hrs	100
BP802T	Social and Preventive Pharmacy – Theory	10	15	1 Hr	25	75	3 Hrs	100
BP803ET	Pharmaceutical Marketing – Theory	10 + 10 = 20	15 + 15 = 30	1 + 1 = 2 Hrs	25 + 25 = 50	75 + 75 = 150	3 + 3 = 6 Hrs	100 + 100 = 200
BP804ET	Pharmaceutical Regulatory Science – Theory							
BP805ET	Pharmacovigilance – Theory							
BP806ET	Quality Control and Standardizations of Herbals – Theory							
BP807ET	Computer Aided Drug Design – Theory							
BP808ET	Cell and Molecular Biology – Theory							
BP809ET	Cosmetic Science – Theory							
BP810ET	Experimental Pharmacology – Theory							
BP811ET	Advanced Instrumentation Techniques – Theory							
BP812PW	Project Work							
Total		40	60	4 Hrs	100	450	16 Hrs	550

Internal assessment: Continuous mode

The marks allocated for Continuous mode of Internal Assessment shall be awarded as per the scheme given below.

Table-Scheme for awarding internal assessment: Continuous mode

Theory		
Criteria	Maximum Marks	
Attendance (Refer Table – XII)	4	2
Academic activities (Average of any 3 activities e.g. quiz, assignment, open book test, field work, group discussion, and seminar)	3	1.5
Student – Teacher interaction	3	1.5
Total	10	5
Practical		
Attendance (Refer Table – XII)	2	
Based on Practical Records, Regular viva voce, etc.	3	
Total	5	

Table- XII: Guidelines for the allotment of marks for attendance

Percentage of Attendance	Theory	Practical
95 – 100	4	2
90 – 94	3	1.5
85 – 89	2	1
80 – 84	1	0.5
Less than 80	0	0

11.2.1. Sessional Exams

Two Sessional exams shall be conducted for each theory / practical course as per the schedule fixed by the college(s). The scheme of question paper for theory and practical Sessional examinations is given below. The average marks of two Sessional exams shall be computed for internal assessment as per the requirements given in tables – X.

Sessional exam shall be conducted for 30 marks for theory and shall be computed for 15 marks. Similarly Sessional exam for practical shall be conducted for 40 marks and shall be computed for 10 marks.

Question paper pattern for theory Sessional examinations

For subjects having University examinations

I. Multiple Choice Questions (MCQs) = 10 x 1 = 10
OR

Objective Type Questions (5 x 2) = 05 x 2 = 10
(Answer all the questions)

I. Long Answers (Answer 1 out of 2) = 1 x 10 = 10

II. Short Answers (Answer 2 out of 3) = 2 x 5 = 10

Total = 30 marks

Question paper pattern for practical sessional examinations

I. Synopsis = 10

II. Experiments = 25

III. Viva voice = 05

Total = 40 marks

Table-XIII: Tentative schedule of end semester examinations

Semester	For Regular Candidates	For Failed Candidates
I, III, V and VII	November / December	May / June
II, IV, VI and VIII	May / June	November / December

Question paper pattern for end semester theory Examinations For 75 marks paper

I. Multiple Choice Questions (MCQs) = 20 x 1 = 20
OR

Objective Type Questions (10 x 2) = 10 x 2 = 20
(Answer all the questions)

II. Long Answers (Answer 2 out of 3) = 2 x 10 = 20

III. Short Answers (Answer 7 out of 9) = 7 x 5 = 35


Total = 75 marks

Question paper pattern for end semester practical examinations

I. Synopsis	=	5
II. Experiments	=	25
III. Viva voce	=	5

Total =

35 marks

	COURSE OBJECTIVES AND COURSE OUTCOME	SESSION: 2022-23
		SEM: 8th SUB CODE: BP802T

BP 802T SOCIAL AND PREVENTIVE PHARMACY

COURSE OBJECTIVES:

The purpose of this course is to introduce to students a number of health issues and their challenges. This course also introduced a number of national health programmes. The roles of the pharmacist in these contexts are also discussed.

COURSE OUTCOMES:

CO 1: Acquire high consciousness of current issues related to health and pharmaceutical problems within the country and worldwide.

CO 2: Acquire high realization of current issues related to health and pharmaceutical problems within the country and worldwide.

CO 3: Students become aware about national health programs.

CO 4: Develop a critical way of thinking based on current healthcare development.

CO 5: Evaluate the alternative ways of solving problems related to health and pharmaceutical issues



CO- PO & PSO MAPPING

SESSION: 2022-23

SEM: 8th

SUBCODE: BP802T

Course Code	C O	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO 10	PO11
BP802T	C O1	3	2	-	-	3	3	1	1	2	-	2
	C O2	3	2	-	-	-	1	2	2	2	-	2
	C O3	3	2	3	1	3	3	2	3	3	-	2
	C O4	3	-	-	-	-	-	-	2	2	-	2
	C O5	2	1	1	2	3	2	2	2	2	2	2

1= weakly mapped

2= moderately mapped

3= strongly mapped



ACADEMIC CALENDAR


SESSION: 2022-23

SUB CODE:

BP802T


S.No.	Particulars	Date	Responsibility
1	Commencement of B Pharm second, fourth & Sixth Commencement of B Pharm eighth semester	13/06/2022 8/3/2022	
2	1 st Attendance Review (2 nd , 4 th , 6 th sem) 1st Attendance Review (8th semester)	10/08/2022 21/3/2022	Academic Coordinators
3	Sessional Exam-I (2 nd , 4 th , 6 th) Sessional Examination-I (8 th semester)	22/8/2022- 26/8/2022 4/4/2022- 8/04/2022	Concerned HOD
4	Review of 1 st Sessional Examinations (2 nd , 4 th , 6 th sem) Review of 1st Sessional Examinations (8th semester)	15/09/2022 15/04/2022	Concerned HOD
5	First PTM	21/09/2022	
6	2 nd Attendance review (2 nd , 4 th)	22/11/2022	Academic Coordinators
7	Sessional Examination – 2(8 th semester) 2 nd Sessional Exam (6 th Sem) 2 nd Sessional Examination (2 nd , 4 th)	20/6/2022- 29/6/2022 27.09.2022- 7.10.2022 5.12.2022- 14.12.2022	Concerned HOD
8	Review of 2 nd Sessional Examinations (2 nd , 4 th)	20/12/22	Concerned
9	Attendance compilation (2 nd , 4 th)	28/12/22	Academic Coordinators
10	University Theory Examinations Tentative (8 th sem) University Theory Examination Tentative (2 nd , 4 th Sem) University Theory Examination Tentative (6 th Sem)	09/07/2022- 30/07/2022 05.01.2023- 25.01.2023 15.10.2022- 10.11.2022	As per university

11	University Practical Exams (2 nd , 4 th) University Practical Exams (6 th Sem) University Practical Exams (8 th Sem)	As per university	As per university
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	TIME TABLE (Semester)	SESSION: 2022-23
		SEM: 8th SUB CODE: BP802T

B. Pharma 8th sem

Day	9:00-9:55	9:55-10:50	10:50-11:45	11:45-12:40	12:40-1:00	1:00 - 1:55	1:55 - 2:50	2:55- 3:45 pm	3:45 - 4:40
Mon.	Biostat Research Scholar (Dr Richa)	SPP (MS Pooja Sharma)	Ph. Marketing Mgt (Ms Vidushi)	Ph. Regulatory Sci. (Ms Pooja rana)	Lunch				Project Work (Dr Indira Raheja/Mr Vinod Gahlot/Dr Richa Bajaj)
Tue.	SPP (MS Pooja Sharma)	Cosmetics (Ms Preeti Dahiya)	Ph. Marketing Mgt (Ms Vidushi)	Ph. Regulatory Sci. (Ms Pooja rana)	Lunch				Project Work (Dr Indira Raheja/Mr Vinod Gahlot/Dr Richa Bajaj)
Wed.	Biostat Research Scholar (Dr Richa)	SPP (MS Pooja Sharma)	Cosmetics (Ms Preeti Dahiya)	Ph. Regulatory Sci. (Ms Pooja rana)	Lunch				Project Work (Dr Indira Raheja/Mr Vinod Gahlot/Dr Richa Bajaj)
Thu.	SPP (MS Pooja Sharma)	Biostat Research Scholar (Dr Richa)	Ph. Marketing Mgt (Ms Vidushi)	Ph. Regulatory Sci. (Ms Pooja rana)	Lunch				Presentation of project work
Fri.	Ph. Marketing Mgt (Ms Vidushi)	Cosmetics (Ms Preeti Dahiya)	Biostat Research Scholar (Dr Richa)	Cosmetics (Ms Preeti Dahiya)	Lunch				Presentation of project work

	TIME TABLE (Faculty wise)	SESSION: 2022-23
		SEM: 8th SUB CODE: BP802T

Periods	I	II	III	IV	V	VI	VII	VIII
Days	9.00-9.55	9.55-10.50	10.50-11.45	11.45-12.40	12.40-1.00	1.00-4.40 pm		
Monday		SPP(PS)	P'cology(P S)		Lunch			
Tuesday	SPP(PS)		P'cology(P S)					
Wednesday		SPP(PS)	P'cology(P S)			A1 LAB P'cology (PS)		
Thursday	SPP(PS)					A2 LAB P'cology (PS)		
Friday	P'cology(PS)							



**STUDENT- TEACHER INTERACTION
SCHEDULE**


SESSION: 2022- 23

SEM: 8th

SUB CODE: BP802T

Student-Teacher Interaction Schedule

Periods	I	II	III	IV	V	VI	VII	VIII
Days	9.00-9.55	9.55-10.50	10.50-11.45	11.45-12.40	12.40-1.00	1.00-4.40Pm		
Monday					Lunch			Interaction
Tuesday								
Wednesday								
Thursday								
Friday								Interaction

	SYLLABUS -THEORY	SESSION: 2022-23
		SEM: 8th SUB CODE: BP802T

Course content

Scope:

The purpose of this course is to introduce to students a number of health issues and their challenges. This course also introduced a number of national health programmes. The roles of the pharmacist in these contexts are also discussed.

Objectives:

After the successful completion of this course, the student shall be able to:

- Acquire high consciousness/realization of current issues related to health and pharmaceutical problems within the country and worldwide.
- Have a critical way of thinking based on current healthcare development.
- Evaluate alternative ways of solving problems related to health and pharmaceutical issues

Course content:

Unit I:

10 Hours

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, Malnutrition 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 19

Unit II:

10 Hours

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

Unit III:

10 Hours

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 159 programme for prevention and control of deafness, Universal immunization programme, National programme for control of blindness, Pulse polio programme.

Unit IV:

08 Hours

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

Unit V:

07Hours

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.



**UNIT-WISE LECTURE DETAIL
PLAN (LDP)**

SESSION: 2022-23

**SEM: 8th
SUB CODE: BP802T**

Session: 2022-23
Course: Pharmacy
Semester: V
Internal Marks: 25

Course Code: BP802T
Program: B. Pharmacy
External Marks: 75

Detailed Instruction Plan					
Lecture No.	Proposed Date of Coverage	Topics to be covered	CO covered	Actual Lecture Date	Remarks and Sign
Unit 1					
1	8-3-22	Concept of health and disease: Definition, concepts and evaluation of public health.	CO1	8/3/22.	Pooja.
2	9-3-22	Understanding the concept of prevention and control of disease	CO1	09/3/22 10/3/22.	Pooja.
3	10-3-22	Social and health education: Food in relation to nutrition and health, Balanced diet	CO1	11/3/22	Pooja.
4	14-3-22	Nutritional deficiencies, Vitamin deficiencies, Malnutrition and its prevention	CO1	²¹ 14/3/22	Pooja.
5	15-3-22	Sociology and health: Socio cultural factors related to health and disease, Impact of urbanization on health and disease	CO1	15/3/22.	Pooja.
6	16-3-22	Poverty and health	CO1	21/3/22	Cultural event for Holi.
7	21-3-22	Hygiene and health: personal hygiene and health care; avoidable habits	CO1.	22/3/22	Pooja.
8	22-3-22	Revision Class I		22/3/22.	Pooja.
9	22-3-22	Assignment I and Class Test I		23/3/22	Pooja.

UNIT: II					
16	23-3-22	Preventive medicine: General principles of prevention and control of diseases such as cholera, SARS	CO2	24/3/22	Pooja
17	24-3-22	Ebola virus, influenza	CO2	24/3/22	Pooja
18	28-3-22	acute respiratory infections, malaria	CO2	28/3/22	Pooja (Professional exams before 28-3-22)
19	29-3-22	chicken guinea, dengue	CO2	29/3/22	Pooja
20	30-3-22	lymphatic filariasis, pneumonia, hypertension	CO2	30/3/22	Pooja
21	31-3-22	diabetes mellitus, cancer	CO2	04/4/22	Pooja (workshop on 3/1/3/22)
22	4-4-22	drug addiction-drug substance abuse	CO2	06/4/22	Pooja
23	5-4-22	Revision Class II		07/4/22	Pooja
24	5-4-22	Assignment II & Class Test II		12/4/22	Pooja

UNIT: III					
28	6-4-22	HIV AND AIDS control program, TB	CO3	14/4/22	Pooja
29	7-4-22	Integrated disease surveillance program (IDSP), National leprosy control programme	CO3	18/4/22	Pooja
30	11-4-22	National mental health program, National programme for prevention and control of deafness	CO3	19/4/22	Pooja
31	12-4-22	Universal immunization programme	CO3	20/4/22	Pooja
32	13-4-22	National programme for control of blindness	CO3	25/4/22	Pooja
33	14-4-22	Pulse polio programme	CO3	26/4/22	Pooja
34	18-4-22	Revision Class III & Class Test III		27/4/22	Pooja

UNIT: IV					
37	19-4-22	National health intervention programme for mother and child, National family welfare programme	CO4	28/4/22	Pooja

38	20-4-22	National tobacco control programme, National Malaria Prevention Program	CO3	02/5/22	<u>Pooja</u> .
39	21-4-22	National programme for the health care for the elderly	CO3	04/5/22	<u>Pooja</u> .
40	25-4-22	Social health programme	CO3	09/5/22	<u>Pooja</u> .
41	26-4-22	Role of WHO in Indian National Programme	CO3.	10/5/22	<u>Pooja</u> .
43	27-4-22	Revision Class IV		11/05/22	<u>Pooja</u> .
44	28-4-22	Assignment IV & Class Test IV		12/05/22	<u>Pooja</u> .

UNIT: V				1'	
47	2-5-22	Community services in rural, urban and school health	CO4	16/05/22	<u>Pooja</u> .
48	4-5-22	PHC and its functions	CO5	18/05/22	<u>Pooja</u> .
49	9-5-22	Improvement in rural sanitation	CO5	19/05/22	<u>Pooja</u> .
50	10-5-22	national urban health mission	CO5	23/05/22	<u>Pooja</u> .
51	11-5-22	Health promotion and education in school	CO5.	24/05/22	<u>Pooja</u> .
52	12-5-22	Revision Class V		25/05/22	<u>Pooja</u> .
53	16-5-22	Assignment V & Class Test V		31/05/22	<u>Pooja</u> .
54	17-5-22	Revision Class		01/06/22	<u>Pooja</u> .
55	18-5-22	Revision Class		02/06/22	<u>Pooja</u> .
56	19-5-22	Revision Class		06/06/22	<u>Pooja</u> .
57	30-5-22	Revision Class		08/06/22	<u>Pooja</u> .
58	31-5-22	Revision Class		09/06/22	<u>Pooja</u> .
59	1-6-22	Revision Class		14/06/22	<u>Pooja</u> .
60	2-6-22	Revision Class		15/06/22	<u>Pooja</u> .

Revision classes upto 15/07/22 Pooja.




Syllabus Coverage in Class Test

SESSION: 2022-23

SEM: 8th

SUB CODE: BP802T

Coverage in	CT-1 -30%	
	CT-2 - 60%	
	CT-3 - 100%	
List of text books	T1	Short Textbook of Preventive and Social Medicine, Prabhakar GN, 2nd Edition, 2010, ISBN: 9789380704104, JAYPEE Publications
	T2	Textbook of Preventive and Social Medicine (Mahajan and Gupta), Edited by Roy Rabindra Nath, Saha Indranil, 4th Edition, 2013, ISBN: 9789350901878, JAYPEE Publications
	T3	Park Textbook of Preventive and Social Medicine, K Park, 21st Edition, 2011, ISBN-14: 9788190128285, BANARSIDAS BHANOT PUBLISHERS.
List of Reference books	R1	Review of Preventive and Social Medicine (Including Biostatistics), Jain Vivek, 6th Edition, 2014, ISBN: 9789351522331, JAYPEE Publications
	R2	Essentials of Community Medicine—A Practical Approach, Hiremath Lalita D, Hiremath Dhananjaya A, 2nd Edition, 2012, ISBN: 9789350250440, JAYPEE Publications
	R3	Community Pharmacy Practice, Ramesh Adepu, BSP publishers, Hyderabad
Web Links	L1	B Pharm Social and Preventive Pharmacy Notes pdf - Pharma Edu

	LIST OF STUDENTS	SESSION: 2022-23
		SEM: 8th SUB CODE: BP802T

Program: B. PHARMACY


Semester: 8th Sem

Course: Pharmacy

Course Code: BP802T

S. No.	Enrollment no.	Name of the Student
1	19P1001	AAYUSH KAUSHIK
2	19P1003	ABHINAV TANWAR
3	19P1004	ABHISHEK KUMAR
4	19P1005	ABHISHEK KUMAR SHARMA
5	19P1006	ADITI RANJAN
6	19P1007	ALI AMIR MUSTFA
7	19P1008	AMAN FIROJ
8	19P1011	ANKIT JAISWAL
9	19P1012	ANKIT PRASAR
10	19P1013	ANKIT TOKAS
11	19P1014	ASHISH GUPTA
12	19P1015	ASHRIT 25
13	19P1016	BHAWNA SACHDEVA
14	19P1017	BIKRAM MODAK
15	19P1018	BIPIN KUMAR KUSHWAHA
16	19P1019	CHANDAN PAL
17	19P1020	CHARANPREET KAUR SALUJA
18	19P1021	DEBASISH MAJUMDAR
19	19P1023	DIKSHA
20	19P1024	DIVYANSHU YADAV
21	19P1025	FARHAN AHMAD KHAN
22	19P1027	GAURAV KUMAR
23	19P1028	GEETANJALI
24	19P1029	HARIMOHAN CHAUDHARY
25	19P1030	HEMANT TEWARI

26	19P1031	KANHAIYA KUMAR ROY	
27	19P1032	KETAN KUMAR	
28	19P1033	KOMAL	
29	19P1034	KUMAR AMIT	
30	19P1035	KUNDAN KUMAR	
31	19P1036	LOKESH	
32	19P1037	MANISH KUMAR	
33	19P1038	MANISHA	
34	19P1039	MD EBRAHEEM	
35	19P1040	MD SHAHBAZ ALAM	
36	19P1041	MEGHA KUMARI	
37	19P1042	NITIN KUMAR SHARMA	
38	19P1043	PARVEEN	
39	19P1044	PARVESH BHATTI	
40	19P1045	PRASHANT SARASWAT	
41	19P1046	PREETI KUMARI	
42	19P1047	PRINCE TANWAR	
43	19P1048	RAVI KANT	
44	19P1049	RITIK RAJ	
45	19P1050	ROHIT PAUL	
46	19P1051	SHAMIMA KHATOON	
47	19P1052	SMIRTI	
48	19P1053	SONU	
49	19P1054	SWITI KUMARI	
50	19P1055	VIKAS KUMAR JHA	
51	19P1056	VIVEK BASUMATARY	
52	19P1057	AKANKSHA MEHRA	
53	19P1058	GARVIT RAJ	
54	19P1059	HIMANSHU SONI	
55	19P1060	JAYA BISHT	26
56	19P1061	NISHANT SHARMA	
57	19P1062	SAMSUJJMA	
58	19P1063	SAURABH TRIPATHI	
59	19P1065	SHOBIT SINGH	
60	19P1066	TAMANNA DUGAR	
61	19P1067	VIJAY LAKSHMI	
62	19P1068	ZEBI GOURD	

	ASSIGNMENT (1/4)	SESSION: 2022-23
		SEM: 8th SUB CODE: BP802T

Course: B. Pharmacy

Session: 2022-23


**Subject Name & Code: Social & Preventive Pharmacy
(BP802T)**

Semester: 8th

Note/Instruction – Attempt all questions.

Assignment-I

- Q.1 What do you mean by disease? Write the social cause of disease and social problems of the sick.
- Q2. Define health, concept and evaluation of public health.
- Q3. Write a short note on malnutrition and its prevention.
- Q4. Write the sociocultural factors related to health and disease.
- Q5. What do you mean by balanced diet and elaborate vitamin deficiencies.

	ASSIGNMENT (2/4)	SESSION: 2022-23
		SEM: 8th SUB CODE: BP802T

Course: B. Pharmacy Subject Name & Code: Social& Preventive Pharmacy (BP802T) Note/Instruction – Attempt all questions.	Session: 2022-23 Semester: 8th
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- Q1. Write a short note on SARS and Ebola virus.
- Q2. Write a note on prevention of Diabetes Mellitus.
- Q3. What is cancer? Explain its symptoms, prevention and Control.
- Q4. Write epidemiological deficiency of anemia?
- Q5. Write a note on pulse polio program.



ASSIGNMENT (3/4)

SESSION: 2022-23

SEM: 8th

SUB CODE: BP802T

Course: B. Pharmacy

Session: 2022-23

Subject Name & Code: Social & Preventive Pharmacy (BP802T)

Semester: 8th

Time allowed: 5 Days

Note/Instruction – Attempt all questions.

- Q1. Write a short note on the national malaria prevention program.
- Q2. Write the objectives of the national health program.
- Q3. What is the role of WHO in Indian national health programme?
- Q4. Write a short note on the Integrated disease surveillance program.



ASSIGNMENT (4/4)

SESSION: 2022-23

SEM: 8th
SUB CODE: BP802T

Course: B. Pharmacy

Subject Name & Code: Social & Preventive Pharmacy (BP802T)

Time allowed: 5 Days

Note/Instruction – Attempt all questions.

Session: 2022-23

Semester: 8th

- Q1. What do you mean by PHC and the functions of PHC?
- Q2. Write a note on health promotion and education in schools.
- Q3. What is the composition of staff in the community health care system?
- Q4. How the health care system is improved by improving rural sanitation.
- Q5. Explain the role of personal hygiene, in health care.



Monthly Attendance

SESSION: 2022-23

SEM: 8th

SUB CODE: BP802T

Attendance Register
 वर्षादि तिथि 2022
 01/02 02/02 03/02 04/02 05/02 06/02 07/02 08/02 09/02 10/02 11/02 12/02 13/02 14/02 15/02 16/02 17/02 18/02 19/02 20/02 21/02 22/02 23/02 24/02 25/02 26/02 27/02 28/02 29/02 30/02 31/02 4/04


Sl. No.	Name नाम	01/02	02/02	03/02	04/02	05/02	06/02	07/02	08/02	09/02	10/02	11/02	12/02	13/02	14/02	15/02	16/02	17/02	18/02	19/02	20/02	21/02	22/02	23/02	24/02	25/02	26/02	27/02	28/02	29/02	30/02	31/02
1.	Ajayesh Kaulsik	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
2.	Abhinarav Tawar	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
3.	Abhishhek Kumar	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
4.	Abhishhek Kumar	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
	Sharna	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
5.	Aditi Ranjan	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
6.	Ali Amin Mustafa	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
7.	Aman Feroz	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
8.	Ankit Jaiswal	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
9.	Ankit Inakar	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
10.	Ankit Takar	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
11.	Abhishek Gupta	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
12.	Ashmit	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
13.	Ananya Sachdeo	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
14.	Aikram Maalik	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
15.	Rishan K. Kulkarni	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
16.	Chandani Pal	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
17.	Charanbaset	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
18.	Kaun Saluja	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P

SRIRISON

Month till _____
 Year till _____

Sl. No.	Name नाम	01/04	02/04	03/04	04/04	05/04	06/04	07/04	08/04	09/04	10/04	11/04	12/04	13/04	14/04	15/04	16/04	17/04	18/04	19/04	20/04	21/04	22/04	23/04	24/04	25/04	26/04	27/04	28/04	29/04	30/04	
1.	Ajayesh Kaulsik	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
2.	Abhinarav Tawar	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
3.	Abhishhek Kumar	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
4.	Abhishhek Kumar	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
	Sharna	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
5.	Aditi Ranjan	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
6.	Ali Amin Mustafa	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
7.	Aman Feroz	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
8.	Ankit Jaiswal	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
9.	Ankit Inakar	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
10.	Ankit Takar	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
11.	Abhishek Gupta	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
12.	Ashmit	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
13.	Ananya Sachdeo	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
14.	Aikram Maalik	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
15.	Rishan K. Kulkarni	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
16.	Chandani Pal	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
17.	Charanbaset	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
18.	Kaun Saluja	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P

Amount till _____
 Sign. _____
 KETTER

	<u>Class Tests (1/2)</u>	SESSION: 2022-23
		SEM: 8th SUB CODE: BP802T

Course: B. Pharmacy	Session: 2023-24
Subject Name & Code: Social & Preventive Pharmacy (BP802T)	Semester: 8th
Note/Instruction – Attempt all questions.	

Class Test-I

Max. Marks: 30

Roll No _____

Time 1.00 Hr.

Section- A

All questions are compulsory.

2*5=10

1. What are the socio-economic indicators of health?	CO1
2. Define health as per WHO.	CO1
3. What do you mean by contamination and infestation?	CO2
4. What are the causes of malaria	CO2
What is the BCG vaccine? How it is administered?	CO3

Section- B

34

Attempt any 2 questions. Each question carries 5 marks.

5*2=10


1. Write a note on food about nutrition and health.	CO1
2. Write general principles of prevention and control of cholera.	CO3
3. Write the evaluation of public health.	CO1

Section-C

Attempt any 2 questions. Each question carries 10 marks.

10*1=10

1. Explain different vitamin deficiency disorders and their prevention.	CO2
2. Explain the Integrated Disease Surveillance Program (IDSP).	CO1

	<u>Class Tests Solution (1/2)</u>	SESSION: 2022-23
		SEM: 8th SUB CODE: BP802T

Course: B. Pharmacy	Session: 2022-23
Subject Name & Subject Code: Social & Preventive Pharmacy (BP802T)	Semester: 8th
Note/Instruction – Attempt all questions.	

Section-A

Ans1 : Socioeconomic indicators play a significant role in determining health outcomes. Here are two key indicators:

- Income and poverty level
- Education level

Ans2: The World Health Organization (WHO) defines health as "a state of complete physical, mental, and social well-being and not merely the absence of disease or infirmity."

Ans3: "Contamination" refers to the presence of harmful substances or organisms in an environment where they should not be.

"infestation" typically refers to the invasion or presence of pests or parasites in a living organism, such as insects, rodents, or microorganisms like fungi or mites.

Ans4: Malaria is caused by plasmodium species by the bites of female anopheles mosquito.

Ans5: The Bacillus Calmette-Guérin (BCG) vaccine is a vaccine primarily used to protect against tuberculosis (TB). It is administered intradermally.

Section-B

Ans1: **Essential Nutrients:** A healthy diet should include a variety of nutrient-rich foods, including fruits, vegetables, whole grains, lean proteins, and healthy fats. These foods provide essential nutrients such as carbohydrates for energy, proteins for tissue repair and growth, fats for insulation and cell structure, vitamins for immune function and metabolism, and minerals for bone health and fluid balance.

Prevention of Chronic Diseases: A diet rich in fruits, vegetables, whole grains, and lean proteins can help

prevent chronic diseases such as heart disease, diabetes, obesity, and certain types of cancer. For example, consuming high-fiber foods like whole grains and legumes can help regulate blood sugar levels and lower the risk of type 2 diabetes. Similarly, a diet low in saturated fats and cholesterol can reduce the risk of heart disease and stroke.

Immune Function: Proper nutrition is essential for maintaining a healthy immune system. Nutrients like vitamins A, C, E, and zinc play key roles in immune function and can help the body fight off infections and illnesses. Including a variety of colorful fruits and vegetables in the diet ensures a sufficient intake of these immune-boosting nutrients.

Energy and Vitality: A well-balanced diet provides the energy needed for daily activities and physical exercise. Carbohydrates are the body's primary source of energy, while proteins help build and repair tissues, and fats provide a concentrated source of energy for endurance activities. Consuming a mix of these macronutrients in appropriate proportions can help maintain energy levels and promote vitality.

Mental Health and Well-being: Nutrition also plays a significant role in mental health and cognitive function. Certain nutrients, such as omega-3 fatty acids found in fish, have been linked to improved mood and cognitive function. Additionally, a diet high in processed foods and refined sugars may increase the risk of depression and other mental health disorders.

Ans2: Cholera is a diarrheal disease caused by the bacterium *Vibrio cholerae*, typically spread through contaminated water and food. Preventing and controlling cholera outbreaks require a multi-faceted approach that addresses both individual and community-level factors. Here are five key principles for the prevention and control of cholera:

1. **Safe Water and Sanitation:** Access to clean and safe drinking water is essential for preventing cholera transmission. Ensuring the availability of potable water sources and implementing water treatment and chlorination systems can help reduce the risk of contamination. Similarly, improving sanitation facilities, such as proper sewage disposal and access to hygienic toilets, can prevent the spread of cholera through contaminated water and food.
2. **Hygiene Promotion:** Promoting good hygiene practices is critical for preventing cholera transmission. Educating communities about the importance of handwashing with soap and water, especially before eating and after using the toilet, can help reduce the risk of ingesting cholera bacteria. Additionally, promoting proper food handling and storage practices can prevent contamination of food with *Vibrio cholerae*.
3. **Vaccination:** Oral cholera vaccines (OCVs) are an important tool for cholera prevention, particularly in areas prone to outbreaks. Vaccination campaigns targeting at-risk populations, such as communities with poor access to clean water and sanitation, can help build immunity and reduce the spread of the disease. Vaccination efforts should be integrated with other cholera control measures for maximum effectiveness.
4. **Surveillance and Early Detection:** Surveillance systems for monitoring cholera cases and outbreaks are essential for early detection and response. Health authorities should establish robust surveillance mechanisms to track suspected cholera cases, monitor trends in disease incidence, and identify areas at high risk of outbreaks. Early detection allows for prompt implementation of control measures, such as case management, provision of oral rehydration therapy (ORT), and targeted vaccination campaigns.
5. **Community Engagement and Collaboration:** Community involvement and participation are crucial for the success of cholera prevention and control efforts. Engaging community leaders, healthcare workers, and local organizations in awareness-raising activities, hygiene promotion campaigns, and outbreak response efforts fosters ownership and accountability within communities. Collaborating with stakeholders across sectors, including health, water, sanitation, and education, facilitates a

coordinated approach to cholera control and ensures sustainable interventions.

Section-C

Ans Vitamins are essential micronutrients required for various physiological functions in the body. Deficiencies in vitamins can lead to a range of health problems and disorders. Here, we'll discuss different vitamin deficiency disorders and effective prevention strategies for each:

1. Vitamin A Deficiency (VAD):

- Disorders: Vitamin A deficiency can cause night blindness, xerophthalmia (dry eyes), impaired immune function, and even blindness in severe cases.
- Prevention: Promoting the consumption of foods rich in vitamin A, such as liver, dairy products, eggs, and orange and yellow fruits and vegetables like carrots and sweet potatoes, is crucial. Fortification of staple foods like rice and wheat flour with vitamin A and supplementation programs for at-risk populations, such as young children and pregnant women, can also help prevent VAD.

2. Vitamin D Deficiency:

- Disorders: Vitamin D deficiency can lead to rickets in children and osteomalacia in adults, characterized by weak, soft bones and an increased risk of fractures.
- Prevention: Encouraging adequate sunlight exposure, which stimulates vitamin D synthesis in the skin, is important. Consuming foods rich in vitamin D, such as fatty fish (salmon, mackerel), fortified dairy products, and egg yolks, can also help prevent deficiency. In regions with limited sunlight, supplementation may be necessary, especially for at-risk populations like infants and the elderly.

3. Vitamin B12 Deficiency:

- Disorders: Vitamin B12 deficiency can lead to megaloblastic anemia, neurological problems, and irreversible nerve damage if left untreated.
- Prevention: Consuming foods rich in vitamin B12, primarily animal products like meat, fish, eggs, and dairy, is essential for preventing deficiency. For individuals following vegetarian or vegan diets, fortified foods like breakfast cereals and nutritional yeast, as well as B12 supplements, can help meet their needs.

4. Vitamin C Deficiency (Scurvy):

- Disorders: Vitamin C deficiency can cause scurvy, characterized by weakness, fatigue, swollen gums, and easy bruising and bleeding.
- Prevention: Including vitamin C-rich foods like citrus fruits (oranges, lemons), strawberries, kiwi, bell peppers, and broccoli in the diet is key. Ensuring access to fresh fruits and vegetables, particularly in regions with limited availability, and promoting food preservation techniques that retain vitamin C content can help prevent scurvy.

5. Vitamin E Deficiency:

- Disorders: Vitamin E deficiency is relatively rare but can lead to neurological problems and muscle weakness.
- Prevention: Consuming foods rich in vitamin E, such as nuts, seeds, vegetable oils, and green leafy vegetables, is important for preventing deficiency. Ensuring a diverse and balanced diet that includes sources of healthy fats and oils can help maintain adequate vitamin E levels.



Class Tests (2/2)

SESSION: 2022-23

SEM: 8th

SUB CODE: BP802T

Course: B. Pharmacy

**Subject Name & Code: Social & Preventive Pharmacy
(BP802T)**

Note/Instruction – Attempt all questions.

Session: 2022-23

Semester: 8th

Class Test-II

Section-A

2*5=10

All questions are compulsory.

1. What is a universal immunization program?	CO3
2. How to improve health education in schools?	CO5
3. Write the outcome of the Universal immunization programme.	CO3
4. Write about Integrated Disease Surveillance Programme.	CO1
5. What is Goitre?	CO4

Section- B

38

Attempt any 2 questions. Each question carries 5 marks.

5*2=10

1. Explain national health intervention programs for mother and child.	CO3
2. Write the objectives in improving rural sanitation.	CO5
3. Explain the universal immunization program.	CO4

Section-C

Attempt any 2 questions. Each question carries 10 marks.

10*1=10

1. Write a note on General principles and control of cancer.	CO4
2. Write a note on HIV and AIDS control programme.	CO3



Class Tests Solution (2/2)

SESSION: 2022-23

SEM: 8th

SUB CODE: BP802T

Course: B. Pharmacy

Session: 2022-23

**Subject Name & Code: Social & Preventive Pharmacy
(BP802T)**

Semester: 8th

Note/Instruction – Attempt all questions.

Section-A

Ans1. The Universal Immunization Programme (UIP) is a large-scale public health initiative, aimed at providing immunization to all children in India. The goal of the UIP is to protect children from vaccine-preventable diseases such as polio, measles, diphtheria, pertussis, tetanus, tuberculosis, hepatitis B, and others.

Ans2. Improving health education in schools is crucial for promoting healthy behaviors and preventing diseases among students. Here are some strategies to enhance health education in schools:

Comprehensive Curriculum

Interactive teaching methods

Ans3. The Universal Immunization Programme (UIP) has had a significant impact on public health worldwide. Here are some key outcomes:

Reduction in Vaccine-Preventable Diseases

Contribution to Sustainable Development Goals

Ans4. Contribution to Sustainable Development Goals:

Good Health and Well-being

Reducing Inequalities

39

Ans5. Goitre, also spelled as goiter, is a medical condition characterized by the abnormal enlargement of the thyroid gland, which is located in the front of the neck, just below the Adam's apple. The thyroid gland produces hormones that regulate metabolism and other essential bodily functions.

Section-B

Ans1. National health intervention programs for mothers and children are essential components of public health strategies aimed at improving maternal and child health outcomes. These programs typically focus on various aspects of maternal and child health, including prenatal care, childbirth, postnatal care, childhood immunizations, nutrition, and disease prevention. Here's an explanation of some common components of such programs:

1. Prenatal Care:

- Prenatal care involves regular medical check-ups and screenings for pregnant women to monitor their health and the health of the developing foetus.
- These interventions include health education, nutritional support, screening for medical

conditions (such as gestational diabetes and hypertension), and counseling on healthy behaviors during pregnancy.

2. Childbirth Services:

- National health intervention programs provide access to skilled birth attendants and safe delivery facilities to ensure that women have a safe and hygienic childbirth experience.
- These services may include the provision of emergency obstetric care, such as cesarean sections, to manage complications during childbirth and reduce maternal and neonatal mortality.

3. Postnatal Care:

- Postnatal care involves medical and supportive services provided to mothers and newborns in the immediate aftermath of childbirth and during the postpartum period.
- This includes monitoring for postpartum complications, breastfeeding support, newborn care education, and family planning services to promote maternal and child health and well-being.

4. Child Immunization Programs:

- National immunization programs aim to protect children from vaccine-preventable diseases by providing access to routine childhood vaccinations.
- These programs typically follow the World Health Organization's (WHO) recommended immunization schedule, which includes vaccines against diseases such as measles, polio, diphtheria, pertussis, tetanus, and hepatitis B.

5. Nutrition Interventions:

- National health intervention programs address maternal and child malnutrition by providing nutritional counseling, supplementation, and support services.
- This includes promoting exclusive breastfeeding for the first six months of life, providing micronutrient supplements (such as iron and folic acid) to pregnant women, and implementing food fortification programs to improve nutritional status.

Ans2. Improving rural sanitation is crucial for promoting public health, reducing the burden of waterborne diseases, and enhancing the overall well-being of rural communities. Here are five key objectives in improving rural sanitation:

1. **Access to Basic Sanitation Facilities:** The primary objective is to ensure that all rural households have access to basic sanitation facilities, such as toilets or latrines, that are safe, hygienic, and properly maintained. This includes addressing the gap in sanitation coverage and promoting the construction of adequate sanitation infrastructure in rural areas.
2. **Behavior Change and Hygiene Promotion:** Another objective is to promote behavior change and hygiene practices within rural communities to ensure the proper use of sanitation facilities and the adoption of hygienic behaviors. This involves education and awareness-raising campaigns on the importance of handwashing with soap, safe water storage, and proper waste disposal.
3. **Prevention of Open Defecation:** An important objective is to eliminate open defecation and promote the use of improved sanitation facilities. This requires community mobilization, social marketing, and incentives to encourage households to abandon open defecation practices and adopt toilet usage.
4. **Waste Management and Environmental Protection:** Improving rural sanitation also involves managing human waste and solid waste in an environmentally sustainable manner. This includes promoting the safe disposal of fecal waste through proper sanitation systems, such as pit latrines or septic tanks, and implementing waste management strategies to minimize pollution and protect natural resources.
5. **Capacity Building and Institutional Strengthening:** To sustain improvements in rural sanitation, there is a need to strengthen institutional capacity at the local, regional, and national levels. This involves building the capacity of government agencies, community-based organizations, and other

stakeholders to plan, implement, and monitor sanitation programs effectively.

Section-C

Ans1. The HIV and AIDS control program is a comprehensive public health initiative aimed at preventing the spread of HIV (Human Immunodeficiency Virus) and reducing the impact of AIDS (Acquired Immuno deficiency Syndrome) on individuals, families, and communities. Here's a note on the key aspects of the program:

1. **Prevention and Awareness:** The program focuses on raising awareness about HIV transmission, risk factors, and preventive measures through education and outreach campaigns. It promotes the use of condoms, emphasizes the importance of HIV testing and counselling, and encourages behavior change to reduce the risk of HIV infection, such as avoiding unprotected sex and needle-sharing among injecting drug users.
2. **Access to Testing and Treatment:** An essential component of the program is expanding access to HIV testing and counselling services to ensure early detection of the virus. It also emphasizes the importance of early initiation of antiretroviral therapy (ART) for people living with HIV to suppress the virus, improve immune function, and reduce the risk of HIV transmission to others.
3. **Promotion of Safe Practices:** The program promotes safe medical practices, including the use of sterile needles and syringes, blood screening for transfusions, and infection control measures in healthcare settings to prevent HIV transmission. It also addresses the stigma and discrimination associated with HIV/AIDS, advocating for the rights and dignity of people living with HIV.
4. **Targeted Interventions:** HIV/AIDS control programs often target key populations at higher risk of HIV transmission, such as sex workers, men who have sex with men, transgender individuals, people who inject drugs, and migrant populations. These interventions may include providing tailored prevention services, access to HIV testing and treatment, and addressing social and structural barriers to healthcare access and HIV prevention.
5. **Monitoring and Evaluation:** The program implements robust monitoring and evaluation mechanisms to assess the effectiveness of interventions, track progress toward targets, and identify areas for improvement. This includes surveillance of HIV prevalence and incidence, monitoring of ART coverage and viral suppression rates, and evaluation of programmatic indicators to ensure the efficient use of resources and the achievement of program goals.

**Internal and External Marks****SESSION: 2022-23****SEM: 8th****SUB CODE: BP802T**

S. No.	Enrollment no.	Name of the Student	INTERNAL MARKS (Actual 25)	EXTERNAL MARKS. (75)
1	19P1001	AAYUSH KAUSHIK	20	53
2	19P1003	ABHINAV TANWAR	22	57
3	19P1004	ABHISHEK KUMAR	21	56
4	19P1005	ABHISHEK KUMAR SHARMA	20	55
5	19P1006	ADITI RANJAN	22	59
6	19P1007	ALI AMIR MUSTFA	19	42
7	19P1008	AMAN FIROJ	18	47
8	19P1011	ANKIT JAISWAL	19	50
9	19P1012	ANKIT PRASAR	19	46
10	19P1013	ANKIT TOKAS	21	53
11	19P1014	ASHISH GUPTA	20	54
12	19P1015	ASHRIT	21	58
13	19P1016	BHAWNA SACHDEVA	22	58
14	19P1017	BIKRAM MODAK	20	52
15	19P1018	BIPIN KUMAR KUSHWAHA	21	52
16	19P1019	CHANDAN PAL	18	45
17	19P1020	CHARANPREET KAUR SALUJA	21	58
18	19P1021	DEBASISH MAJUMDAR	20	55
19	19P1023	DIKSHA	19	56
20	19P1024	DIVYANSHU YADAV	19	50
21	19P1025	FARHAN AHMAD KHAN	17	47
22	19P1027	GAURAV KUMAR	18	37
23	19P1028	GEETANJALI	19	48
24	19P1029	HARIMOHAN	17	39

		CHAUDHARY		
25	19P1030	HEMANT TEWARI	18	43
26	19P1031	KANHAIYA KUMAR ROY	17	42
27	19P1032	KETAN KUMAR	17	44
28	19P1033	KOMAL	20	56
29	19P1034	KUMAR AMIT	17	46
30	19P1035	KUNDAN KUMAR	18	51
31	19P1036	LOKESH	20	49
32	19P1037	MANISH KUMAR	19	42
33	19P1038	MANISHA	22	67
34	19P1039	MD EBRAHEEM	19	49
35	19P1040	MD SHAHBAZ ALAM	18	45
36	19P1041	MEGHA KUMARI	20	50
37	19P1042	NITIN KUMAR SHARMA	21	54
38	19P1043	PARVEEN	19	48
39	19P1044	PARVESH BHATTI	17	39
40	19P1045	PRASHANT SARASWAT	18	50
41	19P1046	PREETI KUMARI	17	39
42	19P1047	PRINCE TANWAR	18	48
43	19P1049	RAVI KANT	19	53
44	19P1050	RITIK RAJ	18	41
45	19P1051	ROHIT PAUL	18	42
46	19P1052	SHAMIMA KHATOON	17	42
47	19P1053	SMIRTI	19	46
48	19P1054	SONU	20	53
49	19P1055	SWITI KUMARI	18	40
50	19P1056	VIKAS KUMAR JHA	16	38
51	19P1057	VIVEK BASUMATARY	17	45
52	19P1058	AKANKSHA MEHRA	19	41
53	19P1059	GARVIT RAJ	21	53
54	19P1060	HIMANSHU SONI	17	39
55	19P1061	JAYA BISHT	20	57
56	19P1062	NISHANT SHARMA	19	51
57	19P1063	SAMSUJMA	17	39
58	19P1064	SAURABH TRIPATHI	18	46
59	19P1066	SHOBIT SINGH	18	41
60	19P1067	TAMANNA DUGAR	19	47
61	19P1068	VIJAY LAKSHMI	19	46
62	19P1069	ZEBa GOURD	18	40




List of weak students

SESSION: 2022-23


SEM: 8th

SUB CODE: BP802T

Sno.	Name of Student	(Action Taken)
1.	Aayush Kaushik	Try to teach separately
2.	Ali Aamir	Special focus in class
3.	Aman Firoj	Time to time conversation
4.	Ankit Parasar	Extra assistance
5.	Debashish	Individualized attention
6.	Bikram Modak	Remedial classes
7.	Divyanshu	Peer Tutoring
8.	Farhan Ahmad Akhtar	Modified Assignments
9.	Ankit Parasar	Progress monitoring
10.	Divyanshu	Parent/ Guardian Communication


	<u>List of Bright Students</u>	SESSION: 2022-23
		SEM: 8th SUB CODE: BP802T

S.no.	Name of Student	(Action Taken)
1.	Komal	Extra work for future benefits
2.	Megha Kumari	Helping in other activities
3.	Sonu	Complemented them
4.	Nitin Kumar Sharma	Praised
5.	Jaya Bisht	Advanced assignments
6.	Vijay Lakshmi	Independent projects
7.	Manisha	Enrichment Activities
8.	Charanpreet Kaur Saluja	Honore and advanced question banks were given
9.	Bhawna Sachdeva	Mentorship opportunities
10.	Aditi Ranjan	Individualized learning plans
11.	Abhishek Kumar	Collaborative learning opportunities

	<u>Students having short Attendance</u>	SESSION: 2022- 23
		SEM: 8 th SUB CODE: BP802T

S. no.	Name of Student	(Action Taken)
1.	Zeba Gourd	Verbal Warning
2.	Aayush Kaushik	Written notice sent at home
3.	Farhan Ahmad	Called him and his parents
4.	Divyanshu Yadav	Made them do assignments and class tests
5.	Ankit Tokas	Warned that less than 75% attendance will be not allowed in exam hall
6.	Ashrit	Grade penalties
7.	Geetanjali	Was not allowed to give Sessional exams
8.	Vikas Jha	Suggest them to take regular classes
9.	Aman Firoj	Counseling about low attendance and its consequences
10.	Manish Kumar	Parent/ Guardian notification

a

	<u>Course Outcome Attainment</u>	SESSION: 2022- 23
		SEM: 8 th SUB CODE: BP802T

Attainment of the Course (Learning) Outcomes:

Attainment Criteria:

Attainment Criteria	Attainment Level
Less than or equal to 60%	No Correlation
Above 60% but less than 75%	1 – Low Correlation
Above 70% but less than 85%	2 – Medium Correlation
Above 85 %	3 – High Correlation

Course Code	Class percentage	Attainment level achieved	Action Plan for improvement of course outcome
BP802T	70%	2	By changing the delivery methods. Weekly class tests Topic wise presentation by students



Previous Year Question Paper (up to 4 years)

SESSION: 2022- 23

SEM: 8th

SUB CODE: BP802T

Roll of the

810523

Roll No.....

July, 2021/80217

**B. Pharmacy 8th Semester-2021
Social and Preventive Pharmacy**

Time: Three hours

M. Marks: 75

- Note: 1. It is compulsory to attempt all questions of Section-A.
2. Attempt any two questions from Section-B.
3. Attempt any seven questions from Section-C.

Important: 4. Use only blue/black ink pen to attempt answers. Use of pencil is prohibited.

Section-A

- Q.1 Differentiate between contamination, infection and infestation with examples. 2x10=20
Q.2 Define health as per WHO.
Q.3 Write names of vector borne disease.
Q.4 Write names of life style diseases.
Q.5 Write name of any three infectious diseases caused by viruses.
Q.6 What is BCG vaccine? How is it administered?
Q.7 Write names of any four deficiency diseases due to vitamins.
Q.8 What do you understand by the term public health?
Q.9 Who are ASHA workers?
Q.10 Role of pharmacist in preventing antimicrobial resistance.

Section-B

(Long answer type questions: Answer any two questions out of the following three questions).

- Q.2 What do you understand by the concept of preventive medicines? What are the general principles of prevention and control of disease? Name any three national programs for non-communicable diseases. 10
Q.3 Write a note on reproductive, maternal, new born, child and adolescent health framework by Government of India. 10
Q.4 What are the objectives in the National Health Program? Write a note on Revised National Tuberculosis Control Program. 10

Section-C

(Short answer type questions: Answer any seven questions, out of the following nine questions).

- Q.5 Write a note on community services in rural health. 5
Q.6 Write a note on National Malaria Prevention Program. 5
Q.7 Write a note on prevention of diabetes mellitus. 5
Q.8 Write a note on Pulse Polio Program. 5
Q.9 Discuss the classes of substances having a potential to abuse. What is the role of pharmacist in controlling abuse? 5
Q.10 Define malnutrition. Write short note on balanced diet. 5
Q.11 Write a note on National AIDS Control Program IV. 5
Q.12 Write objectives of Integrated Disease Surveillance Program. 5
Q.13 Write a note on health promotion and education in schools. 5

No. 889 229

B. Pharmacy 8th Semester-2022
Social and Preventive Pharmacy

July, 2022/80217

Time: Three hours

M. Marks: 75

- Note: 1. It is compulsory to attempt all questions of Section-A.
2. Attempt any two questions from Section-B.
3. Attempt any seven questions from Section-C.

Important: 4. Use only blue/black ink pen to attempt answers. Use of pencil is prohibited.

Section-A

- Q.1 (a) Define health. (b) What are the objectives of TB program? (c) Write symptoms of pneumonia. (d) Write about the health awareness program in schools. (e) What are the causes of malaria? (f) What is marasmus? (g) Mention any four factors which have an impact on urban health. (h) Prevention of chicken guinea. (i) Factors of poverty on health. (j) National urban health mission.
- 2x10=20

Section-B

[Long answer type questions: Answer any two questions out of the following three questions].

- Q.2 Explain different vitamin deficiency disorders and their prevention. 10
Q.3 Write general principles of prevention and control of respiratory infections. 10
Q.4 Give an account on the objectives, functioning and scope of national leprosy control program. 10

Section-C

[Short answer type questions: Answer any seven questions out of the following nine questions].

- Q.5 What is SARS? Write its symptoms and prevention. 5
Q.6 Write a note on the role of WHO in Indian National Health Programme. 5
Q.7 Explain the universal immunization program. 5
Q.8 Explain prevention and control of dengue. 5
Q.9 How the health care system is improved by improving rural sanitation. 5
Q.10 Write the causative factors, signs and symptoms of influenza. 5
Q.11 Write a note on food in relation to nutrition and health. 5
Q.12 Explain the objectives and functions of the HIV control programme. 5
Q.13 Explain about integrated disease surveillance program (IDSP). 5

Roll No. _____

B. Pharmacy 8th Semester-2023
Social and Preventive Pharmacy

968063

308
48
August, 2023/80217

M. Marks: 75

Time: Three hours

- Note: 1. It is compulsory to attempt all questions of Section-A.
2. Attempt any two questions from Section-B.
3. Attempt any seven questions from Section-C.
4. Use only blue/black ink pen to attempt answers. Use of pencil is prohibited.

Section-A

- Q.1 (a) Define Multidrug Resistant TB.
(b) What are the different types of Vitamins?
(c) Define blindness as per National Programme for Control of Blindness in India.
(d) Explain objectives of National Malaria Prevention Programme.
(e) Name Ant. tubercular drug which causes optic neuritis?
(f) Define malnutrition and diseases associated with it.
(g) Explain Sullivan's Index.
(h) Write the objectives of Sentinel Surveillance.
(i) Write functions of health care centre?
(j) What are Diagnostic Criteria for Diabetes Mellitus as per WHO?

2x10=20

(Long answer type questions: Answer any two questions out of the following three questions).

- Q.2 Discuss general guidelines objective functioning and outcome of Integrated Management of Neonatal and Childhood illness. 10
Q.3 Describe the General principles of prevention and control of hypertension? 10
Q.4 Write Definition and Causes of deafness according to National Program for Control of deafness 10

Section-C

(Short answer type questions: Answer any seven questions out of the following nine questions).

- Q.5 Explain objectives of Pulse Polio Programme? 5
Q.6 What is nutritional deficiency anemia? 5
Q.7 Write in detail about phases of pathogenesis? 5
Q.8 What is lymphatic filariasis explain symptoms & measures of prevention and control? 5
Q.9 Explain in the role of personal hygiene in health care. 5
Q.10 What are the Morbidity indicators in Measurement of Epidemiology? 5
Q.11 Write about national Intervention Programme for mother and child. 5
Q.12 Describe Role of WHO in Indian National Health Programme. 5
Q.13 How rural sanitation helps in improving the health care system? 5

Roll No.....

Jan., 2024/80217

**B. Pharmacy 8th Semester
Social and Preventive Pharmacy**

Time: Three hours

M. Marks: 75

- Note: 1. Attempt all the following questions as per the instructions.
2. Don't write anything on the question paper, except Roll No.
3. Read the instructions carefully, mentioned in the answer sheet.
4. Use only blue/black ink pen to attempt answers. Use of pencil is prohibited.

Section-A

- Q.1 (a) Define period of communicability. 2x10=20
(b) What are the different levels of primary health care system in India?
(c) Define blindness as per National Programme for Control of Blindness in India.
(d) Explain directly observed treatment short course in tuberculosis.
(e) Name the vector for dengue.
(f) Define malnutrition and diseases associated with it.
(g) Explain evaluation of public health.
(h) Write the objectives of rural sanitation program.
(i) Define pulse in context of pulse polio programme.
(j) What are socio-economic indicators of health?

Section-B

(Long answer type questions: Answer any two questions out of the following three questions).

- Q.2 Discuss general guidelines, objective, functioning and outcome of Revised National Tuberculosis Control Program. 10
Q.3 Describe the core strategies of National Urban Health Mission. 10
Q.4 Write general principles of prevention and control of acute respiratory infection. 10

Section-C

(Short answer type questions: Answer any seven questions, out of the following nine questions).

- Q.5 Explain objectives and functions of universal immunization programme. 5
Q.6 What is nutritional deficiency anemia? 5
Q.7 Write epidemiological indices for TB. 5
Q.8 What is SARS? Explain its symptoms, prevention and control. 5
Q.9 Explain in detail about vitamin deficiency disorders and their prevention. 5
Q.10 What are the morbidity indicators in measurement of epidemiology? 5
Q.11 Describe various steps for investigation of an epidemic. 5
Q.12 Explain anthropology with its types. 5
Q.13 What is the composition of staff in community health care centre? 5



Question Bank

SESSION: 2022-23

SEM: 8th

SUB CODE: BP802T

Course: B. Pharmacy

Subject Name & Code: Social & Preventive Pharmacy (BP802T)

Time allowed: 5 Days

Session: 2022-23

Semester: 8th

Note/Instruction – Attempt all questions.


LONG ANSWER TYPE QUESTIONS

1. Explain different vitamin deficiency disorders and their prevention.
2. Explain Integrated disease surveillance programme (IDSP).
3. Write a note on national health programme and national AIDS control programme.
4. Explain the evaluation of public health.
5. What are national health programs, write in detail about national AIDS control program.
6. Write general principles of prevention and control of respiratory infections.
7. Explain different vitamin deficiency disorders and their prevention.
8. Write general principles, prevention and control of cholera.
9. Explain about national Tuberculosis health programme.
10. Define malnutrition and write about types & diseases associated with it.
11. Write general principles of prevention and control of diabetes mellitus.
12. Write a note on HIV and AIDS control program.
13. Explain the Evaluation of public health.
14. Describe the general principles for prevention and control of malaria.
15. Explain national leprosy control programme.
16. Write a note on concept of health and disease.
17. Write general principles of prevention and control of acute respiratory infection.
18. Write a note on objectives, functioning and scope of national leprosy control program
19. Write a note on General principles and control of cancer.
20. Write a note on HIV and AIDS control programme.
21. Define malnutrition write the causes, symptoms and its prevention.
22. Explain prevention and control of hypertension.
23. What is SARS write its symptoms, prevention and control.
24. Define malnutrition and & diseases associated with it.
25. Write general principles, prevention and control of cholera.
26. Integrated disease surveillance program (IDSP).
27. Explain in detail vitamin deficiency disorders and their prevention.
28. Explain malnutrition in detail and its prevention.
29. Describe the general principles, prevention and control of Dengue.
30. Explain objectives and functions of universal immunization programme.

SHORT ANSWER TYPE QUESTIONS

1. Write a note on food in relation to nutrition and health.
2. Write general principles of prevention and control of cholera.
3. Write the evaluation of public health.
4. What is SARS write its symptoms and prevention?
5. What are the objectives of the national family welfare program?
6. Objectives and functions of the national leprosy program.
7. What are the functions of Primary Health Centres?
8. Objectives and implementation of the national tobacco control program.
9. What are the community services in urban areas?
10. Write functions of PHC in the health care system.
11. Role of WHO in Indian national health program.
12. Explain the concept of diseases.
13. Explain malnutrition and its preventive measures.
14. Explain prevention and control of Dengue.
15. Explain about Integrated disease surveillance program (IDSP).
16. Explain national health intervention programs for mother and child.
17. Write the objectives in improving rural sanitation.
18. Explain the universal immunization program.
19. Write the concept of diseases.
20. Explain prevention and control of diabetes mellitus.
21. Explain the effects of the Ebola virus, mode of transmission, and prevention.
22. Write about the national leprosy control program.
23. Write a note on food in relation to nutrition and health.
24. What are the objectives of the national family welfare program?
25. Write the community health services in an urban area.
26. Write the evaluation of public health.
27. Objectives and implementations of the national tobacco control program
28. Write the concept of prevention of diseases.
29. Prevention and control of dengue.
30. Write about a national intervention programme for mother and child.
31. Explain malnutrition and its prevention.
32. National Malaria prevention programme.
33. How rural sanitation helps in improving the health care system.
34. What is influenza? write its prevention and control.
35. Role of WHO in Indian national health programme.
36. What is the national urban health mission?
37. Explain the Concept of nutritional deficiency disease.
38. Socio-cultural factors related to health and diseases.
39. General principles of prevention and control of acute respiratory infections.
40. General principles of prevention and control of lymphatic filariasis.
41. Explain the objectives and functions of the HIV control programme.

42. Explain the National Malaria Preventive Programme.
43. Role of WHO in Indian national program.
44. Explain functions of Primary Health Centres.
45. Measures to improve rural sanitation.
46. Explain malnutrition and its prevention.
47. Write a note on a balanced diet.
48. General principles, prevention, and control of hypertension.
49. Explain Vitamin deficiencies.
50. Explain the role of WHO in the Indian national program.

	SUBJECT PPT, HANDWRITTEN NOTES & RELEVANT VIDEOS	Session: 2022-23
		SEM: 8th SUB CODE: BP802T

Subject PPTs (Unit-wise): Soft copy available with the subject teacher Hand Written Notes: Should be made available to the students

Unit-1 Social and Preventive Pharmacy Concepts |PP(slideshare.net)

Unit-2 Social & Preventive Pharmacy(BP802T) | PPT (slideshare.net)

Unit-3Nationalhealth program, objectives,Functioning and out come of the following MCQs question paper | PDF (slideshare.net)

Unit 4Social and preventive Pharmacy UNIT 4.pptx (slideshare.net)

Unit 5B Pharm Social and Preventive Pharmacy Notes pdf Pharma Edu

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