



**Dr. Rafiq Zakaria Campus**

Maulana Azad Educational Trust's

**Y. B. CHAVAN COLLEGE OF PHARMACY**

(B. Pharm, M. Pharm & Research Centre)

ISO 21001:2018 & ISO 14001:2015 CERTIFIED | NIRF-2022 ALL INDIA RANK 65<sup>TH</sup>

**NAAC ACCREDITATION "A" GRADE WITH 3.23 CGPA SCORE**

# COURSE MODULE

<b>Program Title</b>	B. Pharmacy
<b>Department</b>	Pharmaceutics
<b>Course Title</b>	Social & Preventive Pharmacy

1. NAME OF INSTITUTION : Y. B. CHAVAN COLLEGE OF PHARMACY,

AURANGABAD

2. **AFFILIATED UNIVERSITY :** DR. BABASAHEB AMBEDKAR  
MARATHWADA UNIVERSITY, AURANGABAD

3. **DEPARTMENT :**

4. **PROGRAM TITLE :** B. PHARM.

4.1. **Program Outcomes (PO):**

**PO 01: Pharmacy Knowledge:** Possess knowledge and comprehension of the core and basic knowledge associated with the profession of pharmacy, including biomedical sciences; pharmaceutical sciences; behavioral, social, and administrative pharmacy sciences; and manufacturing practices.

**PO 02: 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.

**PO 03: 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.

**PO 04: Modern tool usage:** Learn, select, and apply appropriate methods and procedures, resources, and modern pharmacy-related computing tools with an understanding of the limitations.

**PO 05: Leadership skills:** Understand and consider the human reaction to change, motivation issues, leadership and team-building when planning changes required for fulfillment of practice, professional and societal responsibilities. Assume participatory roles as responsible citizens or leadership roles when appropriate to facilitate improvement in health and wellbeing.

**PO 06: 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).

**PO 07: Pharmaceutical Ethics:** Honour personal values and apply ethical principles in professional and social contexts. Demonstrate behavior 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.

**PO 08: 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.

**PO 09: 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.

**PO 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.

**PO 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.

## **5. COURSE SPECIFICATION :**

### **5.1.Course Identification and General Information**

a. Course Title:	<b>Social &amp; Preventive Pharmacy</b>	
b. Course Number/Code	<b>BP 802T</b>	
c. Credit Hours	Theory	Practical
	45(3 Hrs/Week)	
d. Study level/semester at which this course is offered	VIII Sem	
e. Pre-requisite	Student should have idea about different Programmes run by govt. of India for Health of community.	
f. Co-requisite	Definition, concepts and evaluation of public health. Understanding the concept of prevention and control of disease,	
g. Program in which the course is offered	B Pharm	
h. Language of teaching the course	English	
i. Prepared by	Dr.Syed Iftequar Ahmed	
j. Approved by HOD	Dr.S R Lahoti	

## 5.2.Course Description:

### Unit I

#### 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

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**Unit II****Preventive medicine: General principles of prevention and control**

Cholera,

SARS,

Ebola virus,

Influenza,

Acute respiratory infections,

Malaria,

Chicken guinea,

Dengue,

Lymphatic filariasis,

Pneumonia,

Hypertension,

Diabetes mellitus,

Cancer,

Drug addiction-drug substance abuse

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**Unit III****National health programs, its objectives, functioning and outcome:**

HIV & AIDS control programme,

TB (Tuberculosis),

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.

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#### **Unit IV**

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

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#### **Unit V**

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.

#### **5.3. Course Objectives:**

1. To introduce to students a number of health issues and their challenges.
2. To introduced a number of national health programmes.
3. The roles of the pharmacist in these contexts are also discussed

#### **6.0. Course Outcomes (COs) : (Min. 4 and Max. 6)**

**(Use Bloom's Taxonomy words)**

<b>CO Code</b>	<b>Course outcome</b>
<b>CO BP802T.01</b>	Describe and explain the 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
<b>CO BP802T.02</b>	Describe and define the 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
<b>CO BP802T.03</b>	Describe and define 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.
<b>CO BP802T.04</b>	Describe and explain 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 Programme
<b>CO BP802T.05</b>	Describe and explain 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.

## 6.1. Knowledge and Understanding

(Alignment of POs to COs)

CO Code	Program Outcome (PO)										
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
<b>CO BP802T.01</b>	H	M	M	S	H	-	S	M	-	H	M
<b>CO BP802T.02</b>	M	H	S	S	M	S	-	M	S	M	H
<b>CO BP802T.03</b>	S	M	M	M	S	M	-	H	-	S	M
<b>CO BP802T.04</b>	M	H	S	S	M	S	M	M	S	M	H
<b>CO BP802T.05</b>	S	M	M	M	S	M	-	H	-	S	M

Correlation levels 1, 2 or 3 as defined below:

1: Slight (Low); 2: Moderate (Medium); 3: Substantial (High); If there is no correlation, put ‘-‘

## 6.2. Teaching and Assessment Methods for achieving learning outcome:

Teaching Strategies(methods)/Tools used	Methods of Assessment
<b>Lectures (Constructivist learning)</b> <b>Collaborative learning (Discussion)</b> <b>Project based Learning</b> <b>Blended learning</b> <b>Inquiry based learning</b> <b>Flash cards</b> <b>Video</b> <b>Equipment models</b>	<b>Formative Assessment</b> <b>Case study</b> <b>Class test</b> <b>Multiple choice questions</b> <b>Assignments</b> <b>Seminar</b> <b>Viva Voce</b> <b>Synopsis</b> <b>Tutorials</b> <b>Summative Assessment</b>

## 6.3. Tools for the Teaching and learning

Theory subjects	Practical Subjects
<ul style="list-style-type: none"> <li>• <b>PowerPoints presentation</b></li> <li>• <b>Videos</b></li> <li>• <b>Flash Card</b></li> <li>• <b>Models</b></li> <li>• <b>Software</b></li> </ul>	<ul style="list-style-type: none"> <li>• <b>White boards</b></li> <li>• <b>Glassware</b></li> <li>• <b>Chemicals</b></li> <li>• <b>Instruments</b></li> <li>• <b>Equipment</b></li> </ul>



<ul style="list-style-type: none"> <li>• <b>Charts</b></li> <li>• <b>Smart Boards</b></li> <li>• <b>White boards</b></li> <li>• <b>Online Platform</b></li> </ul>	<ul style="list-style-type: none"> <li>• <b>Software</b></li> <li>• <b>Models</b></li> <li>• <b>Plants/Crude Drugs</b></li> <li>• <b>Animal</b></li> </ul>
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## 6.4. COURSE CONTENT

### 6.1. Theoretical Aspect:

Order	Topic list/units	Subtopics list	Number of Weeks	Contact Hours
1	<b>Unit I</b>	<p><b>Concept of health and disease:</b> Definition, concepts and evaluation of public health.</p> <p>Understanding the concept of prevention and control of disease, social causes of diseases and social problems of the sick.</p> <p><b>Social and health education:</b> Food in relation to nutrition and health, Balanced diet, Nutritional deficiencies, Vitamin deficiencies, Malnutrition and its prevention.</p> <p><b>Sociology and health:</b> Socio cultural factors related to health and disease, Impact of urbanization on health and disease, Poverty and health</p> <p><b>Hygiene and health:</b> personal hygiene and health care; avoidable habit</p>	<b>3 and Half week</b>	<b>10</b>
2	<b>Unit II</b>	Preventive medicine: General principles of prevention and control of diseases such as	<b>3 and Half week</b>	<b>10</b>

		cholera, SARS, Ebola virus, influenza, acute respiratory infections, malaria, chicken guinea, dengue, lymphatic filariasis, pneumonia, hypertension, diabetes mellitus, cancer, drug addiction-drug substance abuse		
3	<b>Unit III</b>	<b>National health programs, its objectives, functioning and outcome of the following:</b> 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.	<b>3 and Half week</b>	<b>10</b>
4	<b>Unit IV</b>	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	<b>2 and half week</b>	<b>8</b>
5	<b>Unit V</b>	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.	<b>2 and half week</b>	<b>7</b>
	<b>TOTAL</b>			<b>45</b>

## 6.2.Practical Aspects

Order	Name of Experiment	Number of Weeks
1		
2		
3		
4		
5		
6		
7		
8		
9		

10		
11		
12		
13		
14		
15		

## 7.0. ASSESSMENT MECHANISM :

Sr. No.	Assessment Mechanism	Week due	Marks	Proportion of Final Assessment
1	Assignments, Exercises & Home works	2 <sup>nd</sup> week of every month	10	6%
2	Sessional (Internal Theory exam)	As per scheduled examination	15	10%
3	Continuous Practical Assessment (Sessional Practical exam)	Weekly during practicals	15	10%
4	Final exam (theory)	As per University at end of course	75	50%
5	Final exam( practical)		35	24%
Total			150	<b>100%</b>

## 8.0.STUDENT SUPPORT:

Office hours/week	Other procedures
<b>Two hours minimum</b>	

## 9.0.TEACHER'S AVAILABILITY FOR STUDENT SUPPORT:

Days	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Time	12:00-1:00	12:00-1:00	12:00-1:00	12:00-1:00	12:00-1:00	12:00-1:00

## 10.0. LEARNING RESOURCES:

Sr. No.	Title of Learning Material	Details
1	Text books	
2	Essential references (as per syllabus)	<ol style="list-style-type: none"> <li>1. Short Textbook of Preventive and Social Medicine, Prabhakara GN, 2nd Edition, 2010, ISBN: 9789380704104, JAYPEE Publications</li> <li>2. Textbook of Preventive and Social Medicine (Mahajan and Gupta), Edited by Roy Rabindra Nath, Saha Indranil, 4th Edition, 2013, ISBN: 9789350901878, JAYPEE Publications</li> <li>3. Review of Preventive and Social Medicine (Including Biostatistics), Jain Vivek, 6th Edition, 2014, ISBN: 9789351522331, JAYPEE Publications</li> <li>4. Essentials of Community Medicine—A Practical Approach, Hiremath Lalita D, Hiremath Dhananjaya A, 2nd Edition, 2012, ISBN: 9789350250440, JAYPEE Publications</li> </ol>
3	Reference material	<ol style="list-style-type: none"> <li>i. Park Textbook of Preventive and Social Medicine, K Park, 21st Edition, 2011, ISBN-14: 9788190128285, BANARSIDAS BHANOT PUBLISHERS.</li> <li>ii. Community Pharmacy Practice, Ramesh Adepu, BSP publishers, Hyderabad</li> </ol>
4	E-materials and websites	<a href="https://pharmacyinfoonline.com/bp802t-social-and-preventive-pharmacy/">https://pharmacyinfoonline.com/bp802t-social-and-preventive-pharmacy/</a>
5	Other learning material	

#### 11.0. FACILITIES REQUIRED:

Sr. No.	Particular of Facility Required
1	Lecture Rooms (capacity for 60 students)
2	Laboratory (capacity for 20 students)
3	Computing resources: PC with latest version and hardware/software and utilization of open source and licensed application software

4	Other resources: Appropriate laboratory tools, Chemicals, Glass ware, Apparatus, Instrumentation
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## 12.0. COURSE IMPROVEMENT PROCESSES:

### 12.1. Strategies for obtaining student feedback on effectiveness of teaching:

Course delivery evaluation by students using: Questionnaire forms and online questionnaires

### 12.2. Other strategies for evaluation of teaching by the instructor or by the department:

Periodic review by Academic Planning & Monitoring Committee and departmental review committee, Observations and assistance of colleagues, External assessments by advisors/ examiners and auditors.

### 12.3. Process for improvement of teaching:

Use of ICT tools, teaching aids, Simultaneous practical orientation and theory classes (SPOT), Adoption of reflective teaching.

### 12.4. Describe the planning procedures for periodically reviewing of course effectiveness and planning for improvement:

Periodic review by departmental meeting , Review of course delivery and outcome through assessment and feedback from all stake holders.

### 12.5. Course development plans:

Provide inputs for course improvement and update to University Course development Committees (Board of Studies)

## 13.0. INFORMATION ABOUT FACULTY MEMBER RESPONSIBLE FOR THE COURSE:

<b>Name</b>	Dr.Syed Iftequar Ahmed
<b>Location</b>	YB Chavan College of pharmacy Aurangabad.
<b>Contact Detail (e-mail &amp; cell no.)</b>	iftequar2212@gmail.com;9028223979
<b>Office Hours</b>	10:00 AM to 5:00 PM

<b>Name</b>	
<b>Location</b>	
<b>Contact Detail (e-mail &amp; Cell No.)</b>	
<b>Office Hours</b>	10:00 AM to 5:00 PM