

# R.K. PHARMACY COLLEGE

## COURSE HANDOUT

Social Pharmacy (Theory)

COURSE CODE: ER20-15P

### VISION

Train the minds to think logically and become a success

### MISSION

To Develop inventive, pioneering research & high-quality technical education

### PROGRAMME EDUCATIONAL OBJECTIVES

- PEO 1:** To produce graduates with sound theoretical knowledge and technical skills required for career opportunities in various domains.
- PEO 2:** To incite the students towards research and to address the challenges with their innovative Contributions for the benefit of mankind.
- PEO 3:** To bring forth a quality professional equipped with technological advances to adapt easily to changes in the ever-evolving pharma and allied industry, hospital and clinical pharmacy setup, pharma retailing and distribution, and governmental and health agencies.
- PEO 4:** To engage graduates in professional ethical practices in a multidisciplinary environment, while contributing to organization through leadership and building team spirit.
- PEO 5:** Pharmacists can become lifelong learners, absorb new technologies, and then offer leadership roles in society.

<b>Programme Name</b>	Diploma in Pharmacy (D. Pharm)
<b>Course Name</b>	Social Pharmacy (Practical)
<b>Course Code</b>	ER20-15P
<b>Session</b>	2025-26
<b>Year</b>	I
<b>Labs (Per Week)</b>	3
<b>Course Credit</b>	2
<b>Course Coordinator Name</b>	

### 1. Scope of the Course:

This course is designed to provide simulated experience in various public health and social pharmacy activities. This course is designed to provide simulated experience in various public health and social pharmacy activities.

### 2. Course Outcomes (COs):

- CO.1. Describe the roles and responsibilities of pharmacists in various National health programs
- CO.2. Design promotional materials for public health awareness
- CO.3. Describe various health hazards including microbial sources
- CO.4. Advice on preventive measures for various diseases
- CO.5. Provide first aid for various emergency conditions

### 3. Reference Books:

1. Social Pharmacy – Innovation and development. Geoff Harding, Sarah Nettleton and Kevin Taylor. The Pharmaceutical Press.
2. Text Book of Community Pharmacy Practice. RPSGB Publication
3. Community Pharmacy Handbook- Jonathan Waterfield
4. S Khurana, P Suresh and R Kalsi. Health Education & Community Pharmacy. S Vikas & Co
5. Social Pharmacy: Tayler, Geoffrey. Pharmaceutical Press. London.

6. Textbook by Dandiya PC, Zafer ZYK, Zafer A. Health education & Community Pharmacy. Vallabh Prakashan.

7. Websites of Ministry of Health and Family Welfare, National Health Portal .

**Other Readings & Relevant Websites:**

Sr.No.	Link of Journals, Magazines, Websites and Research Papers
1	<a href="https://www.ijpsm.com/">https:// www.ijpsm.com /</a>
2	<a href="https://www.ijisrt.com/">https:// www.ijisrt.com /</a>
3	<a href="http://doi.org/10.2147/DHPS.S282420">http://doi.org/10.2147/DHPS.S282420</a>
4	<a href="http://dx.doi.org/10.22270/ajprd.v9i3.955">http://dx.doi.org/10.22270/ajprd.v9i3.955</a>
5	<a href="https://www.researchgate.net/publication/5533900">https://www.researchgate.net/publication/5533900</a>
6	<a href="https://www.dixonvalve.com/">https://www.dixonvalve.com/</a>

**4. Lab Plan:**

Sr. No.	Experiment	Dates (tentative)	
		Batch A	Batch B
01	National immunization schedule for children, adult vaccine schedule, Vaccines which are not included in the National Immunization Program.		
02	RCH – reproductive and child health – nutritional aspects, relevant national health programmes.		
03	Family planning devices		
04	Microscopical observation of different microbes (readymade slides		
05	Oral Health and Hygiene		
06	Personal hygiene and etiquettes – hand washing techniques, Cough and sneeze etiquettes.		
07	Various types of masks, PPE gear, wearing/using them, and disposal.		
08	Menstrual hygiene, products used		
09	First Aid – Theory, basics, demonstration, hands on training, audio-visuals, and practice, BSL (Basic Life Support) Systems [SCA - Sudden Cardiac Arrest, FBAO - Foreign Body Airway Obstruction, CPR, Defibrillation (using AED) (Includes CPR techniques, First Responder).		
10	. Emergency treatment for all medical emergency cases viz. snake bite, dog bite, insecticide poisoning, fractures, burns, epilepsy etc.		
11	Role of Pharmacist in Disaster Management		
12	Marketed preparations of disinfectants, antiseptics, fumigating agents, antilarval agents, mosquito repellents, etc.		
13	Health Communication: Audio / Video podcasts, Images, Power Point Slides, Short Films, etc. in regional language(s) for mass communication / education / Awareness on 5 different communicable diseases, their signs and symptoms, and prevention.		
14	Water purification techniques, use of water testing kit, calculation of Content/percentage of KMnO <sub>4</sub> , bleaching powder to be used for wells/tanks		
15	Counselling children on junk foods, balanced diets – using Information, Education and Communication		

	(IEC), counselling, etc. (Simulation Experiments).		
16	Preparation of various charts on nutrition, sources of various nutrients from Locally available foods, calculation of caloric needs of different groups (e.g. child, mother, sedentary lifestyle, etc.). Chart of glycemic index of foods.		
17	Tobacco cessation, counselling, identifying various tobacco containing products through charts/picture		

#### 5. Content Beyond Syllabus (CBS):

Sr.No.	Topics	PO (Annexure 1)
1)	To demonstrate the working of UV spectrophotometry instrumentation.	PO1, PO3, PO4

#### 6. Evaluation Scheme:

The marks allocated for the continuous mode of internal assessment shall be awarded for attendance, practical records, regular viva voce, etc. Two practical sessional exams shall be conducted during mid of the semester. The average marks of the two practical sessional exams shall be computed for internal assessment. A practical sessional exam shall be conducted for 40 marks and shall be computed for 10 marks. Weightage for various evaluation components is as below:

Sr.No.	Evaluation Component	Weightage
1	Internal Assessment 1. Continuous Mode 2. Practical Sessional Exams	15 15
2	End Semester Practical Exam	10
	<b>Total</b>	<b>40</b>

As per PCI and University guidelines, minimum 75% attendance is required to become eligible for appearing in the End Semester Practical Examination.

**This document is approved by:**

Designation	Name	Signature
Course Coordinator		
HOD		
Principal		

## ANNEXURE I: PROGRAM OUTCOMES

1. **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.
  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 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.
  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 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.
  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.
- 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.
- 11.

