

**Bharati Vidyapeeth (Deemed to be University)**  
**Medical College & Hospital, Sangli**  
**Department of Pharmacology**

**Annexure-I**

**SGD (Small group discussion)**

Sr. no.	Topics	Competency numbers
1.	Dosage formulations and drug delivery system	1.3
2.	Evidence based medicine, GCP and Drug development, Drug regulations	1.2, 1.64, 1.63
3.	Clinical pharmacokinetics	1.4
4.	Clinical pharmacokinetics	1.4
5.	Clinical pharmacodynamics	1.5
6.	Communicate with the patient with empathy & ethics on all aspects of drug use	5.1
7.	Motivate patients with chronic diseases to adhere to the prescribed management by the health care provider	5.3
8.	Explain to the patient the relationship between cost of treatment & patient compliance	5.4
9.	Demonstrate & understanding of the legal and ethical aspects of prescribing drugs	5.7
10.	Drugs used in constipation and diarrhoea	1.34
11.	Heavy metal poisoning & chelating agents	1.53
12.	Communicate with patient regarding optimal use of a. Drug therapy, b. Devices, c. Storage of medicines	5.2
13.	Drugs of abuse and Deaddiction	1.22 & 1.23
14.	Demonstrate ability to educate public & patients about various aspects of drug use including drug dependence & OTC drugs, Demonstrate & understanding of the caution in prescribing drugs likely to produce dependence & recommend the line of management	5.6, 5.5
15.	Drug interactions	1.8
16.	Pesticides, Insecticides, food adulterants, pollutants and insect repellants, Common stings and bites, Common poisoning	1.51, 1.52
17.	National health programmes	1.55

# Department of Pharmacology

## Annexure-II

### DOAP sessions

<b>Sr. no.</b>	<b>Topics</b>	<b>Competency number</b>
1.	Demonstrate understanding of the use of various dosage forms (oral/local/parenteral; solid/liquid)	2.1
2.	Demonstrate the correct method of calculation of drug dosage in patients including those used in special situations	2.4
3.	Administer drugs through various routes in a simulated environment using mannequins	4.1
4.	Demonstrate the appropriate setting up of an Intravenous drip in a simulated environment	2.3
5.	Prepare oral rehydration solution from ORS packet & explain its use	2.2

# Department of Pharmacology

## Annexure-III

### Skill stations

<b>Sr. no.</b>	<b>Topics</b>	<b>Competency number</b>
1.	To recognize & report an adverse drug reaction	3.4
2.	Prescription Writing – ANS	3.1 & 3.2
3.	Prescription Writing – Autacoids	
4.	Prescription Writing – CVS 1	
5.	Prescription Writing – CVS 2	
6.	Prescription Writing – Chemotherapy 1	
7.	Prescription Writing – Chemotherapy 2	
8.	Prescription Writing – Chemotherapy 3	
9.	Demonstrate how to optimize interaction with pharmaceutical representative to get authentic information on drugs	3.6
10.	Prescription Writing – Chemotherapy 4	3.1 & 3.2
11.	Prepare a list of essential medicines for a healthcare facility	3.7
12.	Prescription Writing – GIT	3.1 & 3.2, 3.5
13.	Prescription Writing – RS	
14.	Prescription Writing – Endocrinology	
15.	Prescription Writing – Endocrinology	
16.	To prepare and explain a list of P-drugs for a given case/condition	
17.	Prescription Writing – CNS 1	
18.	Prescription Writing – CNS 2 & Miscellaneous	

# Department of Pharmacology

## Annexure-IV

### Skill lab

<b>Sr. no.</b>	<b>Topics</b>	<b>Competency number</b>
1.	Demonstrate the effects of drugs on blood pressure (vasopressor and vaso-depressors with appropriate blockers) using computer aided learning	4.2
2.	Communicate effectively with a patient on the proper use of prescribed medication	3.8
3.	Perform and interpret a critical appraisal (audit) of a given Prescription	3.2
4.	Perform a critical evaluation of the drug promotional literature	3.3

# Department of Pharmacology

## Annexure-V

### Practicals (Pr)

<b>Sr. no.</b>	<b>Topics</b>	<b>Competency number</b>
1.	Introduction, nomenclature of drugs, sources of drug information	1.9
2.	Calculate the dosage of drugs using appropriate formulae for an individual patient, including children, elderly and patient with renal dysfunction.	1.12
3.	Describe principles of Pharmacovigilance & ADR reporting systems Define, identify and describe the management of adverse drug reactions (ADR)	1.6 & 1.7
4.	Describe parts of a correct, complete and legible generic prescription. Identify errors in prescription and correct appropriately (Introduction to prescription writing)	1.10
5.	Demonstrate understanding of the use of various dosage forms (oral/local/parenteral; solid/liquid) – FDC – Introduction	2.1
6.	Fixed dose combination – CVS	
7.	Fixed dose combination – Chemotherapy 1	
8.	Fixed dose combination – Chemotherapy 2	
9.	Fixed dose combination – GIT	
10.	Fixed dose combination – RS, Miscellaneous	
11.	Fixed dose combination – Endocrinology	
12.	Fixed dose combination – CNS	

# Department of Pharmacology

## Annexure-VI

### PBL (Problem based learning)

<b>Sr. no.</b>	<b>Topics</b>
1.	ANS and Autacoids
2.	Chemotherapy, GIT, CVS
3.	Endocrinology, RS

# Department of Pharmacology

## Annexure-VII

### AETCOM Modules

<b>Sr. no.</b>	<b>Module</b>	<b>Topics</b>	<b>Competency</b>	<b>Modules</b>	<b>No. of hrs.</b>
1.	2.1	<b>The foundations of communication – 2</b>	Demonstrate ability to communicate to patients in a patient, respectful, non-threatening, non- judgmental and empathetic manner	Introductory small group session	1
				Focused small group session	2
				Skills lab session	1
				Discussion and closure	1
2.	2.8	<b>What does it mean to be family member of a sick patient?</b>	Demonstrate empathy in patient encounters	Hospital visit & interviews	2
				Large Group Discussions with patients' relatives	1
				Self-directed Learning	2
				Discussion and closure	1

# Department of Pharmacology

## Annexure-VIII

### Pandemic module 2.5 (Therapeutic strategies Including new drug development)

<b>Sr. no.</b>	<b>Topics</b>	<b>Modules</b>	<b>No. of hrs.</b>
1.	Exploratory and interactive theory session	2.5a	1
2.	Small Group Discussion	2.5b	2
3.	Visit to a pharmaceutical firm/ pharmacy lab to show various stages of drug development or an ADR monitoring exercise in clinical wards	2.5c	2
4.	Discussion and closure	2.5d	1



# Department of Pharmacology

## Annexure-IX

### Other activities

#### ➤ Seminar

1.	Anaemia
2.	Hypertension
3.	Enteric fever
4.	Tuberculosis
5.	Malaria
6.	Worm infestations
7.	Pneumonia, Meningitis
8.	Thyroid
9.	Diabetes mellitus
10.	Epilepsy

#### ➤ Tutorial

1.	Urinary tract infection
2.	Sexually transmitted diseases
3.	Drugs used in treatment of infertility and erectile dysfunction
4.	Drugs used in geriatric and pediatric patients, Obesity

# Department of Pharmacology

## ➤ Quiz

1.	General Pharmacology, ANS
2.	Antimicrobial agents, CVS, GIT
3.	Endocrinology, CNS, RS

## ➤ Formative assessments

1.	General Pharmacology, ANS
2.	CVS, Chemotherapy
3.	Autacoids
4.	CNS, RS
5.	Endocrinology

## ➤ Certification of skills

## ➤ Feedback of exams

## ➤ Simulation Lab Visit

## ➤ Research Activity – Forming a research question