

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.	Clinical pharmacokinetics	1.4
3.	Clinical pharmacokinetics	1.4
4.	Clinical pharmacodynamics	1.5
5.	Evidence based medicine, GCP and Drug development	1.2, 1.64
6.	Drugs used in constipation and diarrhoea	1.34
7.	Communicate with the patient with empathy & ethics on all aspects of drug use	5.1
8.	Motivate patients with chronic diseases to adhere to the prescribed management by the health care provider	5.3
9.	Explain to the patient the relationship between cost of treatment & patient compliance	5.4
10.	Demonstrate & understanding of the legal and ethical aspects of prescribing drugs	5.7
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	5.6
15.	Demonstrate & understanding of the caution in prescribing drugs likely to produce dependence & recommend the line of management	5.5
16.	Drug interactions	1.8
17.	Pesticides & insecticides	1.51, 1.52
18.	National health programmes	1.55

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Annexure-II

DOAP sessions

Sr. no.	Topics	Competency number
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

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Annexure-III

Skill stations

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

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Annexure-IV

Skill lab

Sr. no.	Topics	Competency number
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

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Annexure-V

Practicals (Pr)

Sr. no.	Topics	Competency number
1.	Introduction, nomenclature of drugs, sources of drug information	1.9
2.	Describe principles of Pharmacovigilance & ADR reporting systems Define, identify and describe the management of adverse drug reactions (ADR)	1.6 & 1.7
3.	Calculate the dosage of drugs using appropriate formulae for an individual patient, including children, elderly and patient with renal dysfunction.	1.12
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 – Chemotherapy 1	
7.	Fixed dose combination – Chemotherapy 2	
8.	Fixed dose combination – CVS	
9.	Fixed dose combination – GIT	
10.	Fixed dose combination – RS	
11.	Fixed dose combination – Endocrinology	
12.	Fixed dose combination – CNS	
13.	Fixed dose combination – Miscellaneous	

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Annexure-VI

PBL (Problem based learning)

Sr. no.	Topics
1.	ANS and Autacoids
2.	Chemotherapy, GIT, CVS
3.	Endocrinology, RS, CNS

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Annexure-VII

AETCOM Modules

Sr. no.	Topics	Modules	No. of hrs.	TLM
1.	The foundations of bioethics	2.2a	1	Large group session
		2.2b	1	Large group session
2.	Working in a health care team	2.4a	2	Tag along session in hospital
		2.4b	2	Tag along session in hospital
		2.4c	2	SGD
3.	Case studies on patient autonomy and decision making	2.5a	1	Large group session
		2.5b	1	Large group session
		2.5c	2	SDL
		2.5d	1	Large group session
		2.5e	1	Large group session

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Annexure-VIII

Pandemic module 2.5

**(Therapeutic strategies
Including new drug development)**

Sr. no.	Topics	Modules	No. of hrs.
1.	Exploratory and interactive theory session	2.5a	1
2.	Small Group Discussion	2.5b	1
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	2

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Annexure-IX

Other activities

➤ Linker case and Seminar

1.	Enteric fever
2.	Tuberculosis
3.	Pneumonia and meningitis
4.	Malaria
5.	Worm infestations
6.	Hypertension
7.	Acid peptic disease
8.	Thyroid
9.	Diabetes mellitus
10.	Epilepsy

➤ Tutorial

1.	Haematinics
2.	Urinary tract infection
3.	Sexually transmitted diseases
4.	Shock
5.	Drugs used in treatment of infertility and erectile dysfunction
6.	Vitamins
7.	Obesity
8.	Drugs used in geriatric and pediatric patients

➤ Quiz

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

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➤ **Formative assessments**

1.	General Pharmacology
2.	ANS
3.	Autacoids
4.	Chemotherapy
5.	CVS
6.	GIT & RS
7.	Endocrinology
8.	CNS

➤ **Certification of skills**

➤ **Feedback of exams**