

**PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)**

**PG DEGREE EXAMINATION DECEMBER 2025
(Third Semester)**

**TRANS DISCIPLINARY COURSE
(Common to PG Programmes)**

DRUGS AND CHEMOTHERAPY

Time: Three Hours

Maximum: 75 Marks

SECTION-A (10 Marks)

Answer ALL questions

ALL questions carry EQUAL marks (10 × 1 = 10)

Module No.	Question No.	Question	K Level	CO
1	1	The data or official code of drug is ----- a. Pharmacognosy c. Pharmacophore b. Pharmacopoeae d. Pharmacology	K1	CO1
	2	-----drugs are chemotherapeutic agents. a. Antineoplastic c. CNS stimulants b. Anticonvulsants d. Tranquilizers	K2	CO1
2	3	-----is a mechanism for termination of drug action. a. Metabolism c. Digestion b. Absorption d. Hydrolysis	K1	CO2
	4	Which of the following is Phase II reaction? a. Oxidation c. Reduction b. Hydrolysis d. Methylation	K2	CO2
3	5	Albendazole is used as an----- drug. a. Anti-amoebic c. Anti-helminthic b. Anti-tuberculosis d. Anti-malarial	K1	CO3
	6	-----is the precursor for Sulphanilamide. a. Furan b. Prontosil c. Anisole d. Thiazine	K2	CO3
4	7	Phenacetin is -----derivative. a. Pyrazole c. Indolyl b. P-amino phenol d. Salicylic acid	K1	CO4
	8	----- is known as anticonvulsant drug. a. Methyl barbitol c. Cetrinide b. Chloramine-T d. Mustine	K2	CO4
5	9	Which of the following is an antimetabolite drug? a. Mustine c. Melphalan b. Methotrexate d. Leukeran	K1	CO5
	10	Insulin contains ----- amino acids. a. 31 b. 41 c. 51 d. 61	K2	CO5

SECTION - B (35 Marks)

Answer ALL questions

ALL questions carry EQUAL Marks (5 × 7 = 35)

Module No.	Question No.	Question	K Level	CO
1	11.a.	Classify the drugs based on the nature and sources.	K3	CO1
		(OR)		
	11.b.	Distinguish the drugs related to CNS and PNS.		

Cont...

2	12.a.	Explain the concept of drug receptor and biological response.	K2	CO2
	(OR)			
	12.b.	Summarize the factors affecting the adsorption of drugs.		
3	13.a.	Classify anthelmintic drugs and explain its mode of action.	K3	CO3
	(OR)			
	13.b.	Compare the diuretics and hypertensive drugs.		
4	14.a.	Write about paracetamol and analgin.	K3	CO4
	(OR)			
	14.b.	Categorize the anticonvulsants and explain their mode of action.		
5	15.a.	List out the cytotoxic agents for cancer, types and symptoms and explain of cancer.	K4	CO5
	(OR)			
	15.b.	(i) Classify diabetes and hypoglycemic drugs (ii) Explain the role of insulin in diabetes.		

SECTION -C (30 Marks)

Answer ANY THREE questions
ALL questions carry EQUAL Marks (3 × 10 = 30)

Module No.	Question No.	Question	K Level	CO
1	16	Discuss the biological classification of drugs.	K4	CO1
2	17	Explain the chemical pathways of drug metabolism in Phase I and Phase II.	K5	CO2
3	18	Discuss the following (i) Classification and mode of action of anti-amoebic drugs (ii) Chemistry of sulphonamides.	K6	CO3
4	19	Compare the drugs acting as CNS stimulants and CNS Depressants.	K4	CO4
5	20	Classify the antineoplastic drugs used in cancer therapy and discuss their functions.	K4	CO5

Z-Z-Z

END