

**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. Pharmacopoeiae      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 barbital      c. Cetrimide 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)		
3	13.a.	Classify antihelminthic drugs and explain its mode of action.	K3	CO3
		(OR)		
4	13.b.	Compare the diuretics and hypertensive drugs.	K3	CO4
	14.a.	Write about paracetamol and analgin.		
5		(OR)	K4	CO5
	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.		
		(OR)		
5	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  $(3 \times 10 = 30)$

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