

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)
PG DEGREE EXAMINATION DECEMBER 2023
(Third Semester)

TRANS DISCIPLINARY COURSE
(Common to PG Programmes)

DRUGS AND CHEMOTHERAPY

Time: Three Hours

Maximum: 50 Marks

SECTION-A (5 Marks)

Answer ALL questions

ALL questions carry EQUAL marks (5 x 1 = 5)

1. What the body does to a drug is called?
(i) Pharmacodynamics (ii) Pharmacotherapeutics
(iii) Pharmacognosy (iv) Pharmacokinetics
2. What do you mean by bio-transformation?
(i) Renders the drug more lipid soluble
(ii) Is necessary for all drugs for their elimination
(iii) Takes place only in the liver
(iv) Can be altered by drugs
3. Which drug is used to lower the body temperature?
(i) Antipyretics (ii) Antiseptic
(iii) Analgesics (iv) Disinfectant
4. Where barbiturates are primarily used as medicine?
(i) Hypnotic (ii) Sedative
(iii) Antiepileptic (iv) Preanaesthetic medicant
5. What is the first-line drug for patients with type 2 diabetes and obesity?
(i) Acarbose (ii) Sulfonylureas
(iii) Metformin (iv) Insulin

SECTION - B (15 Marks)

Answer ALL Questions

ALL Questions Carry EQUAL Marks (5 x 3 = 15)

6. (a) Illustrate the terms; (i) Pharmacology (ii) Pharmacognosy.
(OR)
(b) Show the nature sources of drugs.
7. (a) Explain the general principle of drug action.
(OR)
(b) Determine the chemistry of drug receptor binding.
8. (a) Explain the antimalarial drugs. Classify it.
(OR)
(b) State any three uses of sulpha pyridine and sulpha diazine.
9. (a) Discuss the antipyretic drugs.
(OR)
(b) Explain the Synthesis of barbiturates.
10. (a) Illustrate hypoglycemic drugs.
(OR)
(b) Explain the antineoplastic drugs.

Cont...

SECTION -C (30 Marks)

Answer ALL questions

ALL questions carry EQUAL Marks (5 x 6 = 30)

11. (a) Enumerate the pharmacokinetics.
(OR)
(b) Classify the drugs based on their chemical structure.
12. (a) Assess the mechanism of drug action.
(OR)
(b) Interpret the biotransformation. Justify the phase I & II biotransformation.
13. (a) Predict about the antitubercular drugs. Classify it. Design the synthesis for isoniazid and pyrazinamide.
(OR)
(b) Assess the Antihypertensive agents.
14. (a) Evaluate the analgesic drugs.
(OR)
(b) Assess the CNS – depressent drugs.
15. (a) Enumerate the recent developments in modern cancer chemotherapy.
(OR)
(b) Appraise the diabetes.

Z-Z-Z

END