



Avinashilingam Institute for Home Science and Higher Education for Women

Deemed to be University Estd. u/s 3 of UGC Act 1956, Category 'A' by MHRD (now MoE)

Re-accredited with 'A++' Grade by NAAC. CGPA 3.65/4, Category I by UGC

Coimbatore - 641 043, Tamil Nadu, India

Bachelor's Degree Examination – May 2025

IV Semester

Class : II UG

Major : Physician Assistant

Time: 3 Hours

Max. Marks: 100

22BPAC15 Pharmacology - II

Course Outcomes:

On the successful completion of the course, students will be able to,

CO1: Acquire Knowledge about the Gastrointestinal and kidney related drugs.

CO2: Describe drugs used for hormonal disorders and supplementation, contraception and medical termination of pregnancy

CO3: Classify the Chemotherapy drugs for Microbial Diseases & Neoplastic diseases.

CO4: Prescribe the drugs along with doctors for various specific infections and infestations of the diseases.

CO5: Recognize the types of anaesthesia and provide pre and post-operative care to the surgical conditions and provide treatment modalities and therapies used in mental disorders

Part A

10 x 1 = 10

Choose the Correct Answer

- Ondansetron works as an antiemetic by:
a. 5-HT₃ receptor antagonism
b. 2 receptor antagonism
c. H₁ receptor antagonism
d. Muscarinic receptor antagonism
CO1 K1
- Furosemide is an example of
a. Diuretic
b. Antacid
c. Probiotic
d. Anthelminitics
CO1 K1
- The primary action of Metformin is:
a. Increasing insulin secretion
b. reducing gluconeogenesis
c. Increasing insulin sensitivity
d. Delaying glucose absorption
CO2 K1
- Combined oral contraceptive pills contain:
a. Only estrogen
b. Only progesterone
c. Both estrogen and progesterone
d. Neither estrogen nor progesterone
CO2 K1
- The anticancer drug is a plant alkaloid
a. Cisplatin
b. Vincristine
c. Cyclophosphamide
d. Methotrexate
CO3 K1
- Cell cycle non-specific drugs include:
a. Vincristine
b. Methotrexate
c. Cyclophosphamide
d. Paclitaxel
CO3 K1
- Penicillins work by inhibiting:
a. Cell wall synthesis
b. Protein synthesis
c. DNA synthesis
d. RNA synthesis
CO4 K1
- The mechanism of antibiotic is bacteriostatic among which of these drugs
a. Penicillin
b. Chloramphenicol
c. Ceftriaxone
d. Meropenem
CO4 K1
- Local anesthetics work by blocking:
a. Sodium channels
b. Potassium channels
c. Calcium channels
d. Chloride channels
CO5 K1
- The following is an atypical antipsychotic:
a. Haloperidol
b. Chlorpromazine
c. Olanzapine
d. Fluphenazine
CO5 K1

Part B
Answer ALL questions
Each answer should not exceed 400 words or two pages

5 x 6 = 30

- 11.a. Define and list five major classes of antiemetic drugs with examples. CO1 K2
(or)
11.b. Write the mechanism of action of proton pump inhibitors. CO1 K2
- 12.a. Name five thyroid hormone preparations and write their uses. CO2 K2
(or)
12.b. List the different types of oral contraceptives. CO2 K2
- 13.a. List five major classes of anticancer drugs with examples. CO3 K3
(or)
13.b. Write the basic principles of cancer chemotherapy. CO3 K3
- 14.a. List five generations of cephalosporins with examples. CO4 K2
(or)
14.b. Write the classification of antifungal drugs. CO4 K2
- 15.a. List five major classes of antiepileptic drugs with examples. CO5 K2
(or)
15.b. Write the classification of local anaesthetics. CO5 K3

Part C
Answer ALL questions
Each answer should not exceed 800 words or four pages

5 x 12 = 60

- 16.a. List various types of antacids, write their mechanism of action, mention their therapeutic uses. CO1 K3
(or)
16.b. Define laxatives, classify them with examples, write their therapeutic uses. CO1 K3
- 17.a. Define insulin, list various types of insulin preparations, write their onset and duration of action. CO2 K2
(or)
17.b. List the hormones secreted by anterior pituitary, write their physiological actions, mention their therapeutic uses. CO2 K2
- 18.a. Define alkylating agents, classify them with examples, Write their therapeutic uses. CO3 K3
(or)
18.b. List various antimetabolites, write their mechanism of action, Mention their therapeutic uses. CO3 K3
- 19.a. Define sulfonamides, write their mechanism of action, list their therapeutic uses. CO4 K3
(or)
19.b. Classify quinolones, write their mechanism of action, list their therapeutic uses. CO4 K3
- 20.a. Define general anesthetics, classify them with examples, Write their mechanism of action. CO5 K3
(or)
20.b. List various opioid analgesics, write their mechanism of action, mention their therapeutic uses. CO5 K3
