



**Avinashilingam Institute for Home Science and Higher Education for women
Coimbatore -641043**

Continuous Internal Assessment I FEBRUARY-2025

IV Semester

Class: II UG

Time: 2 Hours

Branch : Optometry

22BOPC22- Pharmacology

Max Marks: 60

Course Outcomes:

CO1: To explain the process of drug absorption and distribution mechanism.

CO2: To understand pharmacodynamics process in detail.

CO3: To gain knowledge on Ocular pharmacology and ocular drug delivery methods

CO4: To know ocular drugs and its usage in detail.

CO5: To acquire knowledge on neurotransmitters and toxicity of Ocular drugs.

Part A Choose the Correct Answer

6 × 1= 6

1. Which of the following is NOT a natural source of drugs? **CO1K1**
a) Plants b) Animals c) Synthetic chemicals d) Minerals
2. Which route of drug administration involves injecting the drug directly into a vein? **CO1K2**
a) Oral b) Subcutaneous c) Intravenous d) Sublingual
3. Which of the following drugs is a parasympathomimetic that causes pupil constriction? **CO2K1**
a) Atropine b) Phenylephrine c) Pilocarpine d) Tropicamide
4. Which class of diuretics is often used to lower intraocular pressure in glaucoma? **CO2K1**
a) Thiazide diuretics b) Loop diuretics c) Carbonic anhydrase inhibitors d) Potassium-sparing diuretics
5. Which of the following is a major risk associated with opioid use? **CO3K1**
a) Increased risk of stroke b) Severe hypotension c) Respiratory depression
d) Hyperthyroidism
6. Which class of antihypertensive drugs blocks the conversion of angiotensin I to angiotensin II? **CO2K1**
a) Beta-blockers b) Calcium channel blockers c) ACE inhibitors d) Diuretic

Part B Answer ALL the questions

3× 6= 18

Each answer should not exceed 400 words or two pages

- 7.A. Define pharmacology, pharmacodynamics & pharmacokinetics.. **CO1K1**
- 7.B. Enumerate the sources of drug administration. **CO1K1**
- 8.A. Define agonist, antagonist, legend with examples. **CO1K1**
- 8.B. Enumerate the factors affecting drug distribution. **CO2K1**
- 9.A. Discuss the calcium channel blockers. **CO2K2**
- 9.B. Describe drugs affecting pupillary size & light reflex. **CO2K2**

Part C Answer ALL the questions

3× 12= 36

Each answer should not exceed 800 words or four pages

- 10.A. Discuss the routes of drug administration. **CO1K2**
- 10.B. Define pharmacokinetics, explain the mechanism of absorption. **CO2K1**
- 11.A. Enumerate the antihypertensive & drugs useful in angina. **CO2K1**
- 11.B. Describe Diuretics & Drugs used in ocular disorders. **CO2K2**
- 12.A. Discuss anaesthesia, General & local anaesthetics. **CO2K2**
- 12.B. Summarize about Opioids & non-opioids. **CO3K2**

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