

August 2025
PHARMACOLOGY

Time Allowed: 3 Hours

Full Marks: 80

Answer all Questions as directed

1. A. Choose the correct alternative (any ten).

1×10

- a) Domperidon is - (i) anticholinergic (ii) prokinetic (iii) 5HT antagonist (iv) H₂ antagonist
- b) Penicillin act by inhibiting - (i) RNA gyrase (ii) DNA gyrase (iii) inhibition of cell membrane synthesis (iv) inhibition of cell wall synthesis
- c) Ranitidine is - (i) H₁ (ii) H₂ (iii) H₃ (iv) Beta₁ receptor blocker.
- d) Albendazole - (i) Antidiarrhoeal (ii) antiamoebic (iii) Anthelmintic (iv) Antiulcer
- e) Phenytoin is - (i) sedative (ii) antiepileptic (iii) general anaesthetic (iv) hypnotic drug
- f) One tricyclic antidepressant is - (i) Amitriptyline (ii) Lidocaine (iii) Gabapentin (iv) Fluoxetine
- g) Broad spectrum antibiotics are effective against- (i) only gram(+)ve (ii) only gram(-)ve (iii) both gram(+)ve & gram(-)ve and many other organisms (iv) none of the above
- h) BCG-vaccine is given by which route - (i) intramuscular. (ii) intrathecal (iii) intravenous (iv) intradermal
- i) Anti-herpes virus drug is - (i) Acyclovir (ii) Tinidazole (iii) Ciprofloxacin (iv) Rifampicin
- j) Insulin is primarily administered by - (i) oral (ii) sublingual (iii) subcutaneous (iv) intramuscular route
- k) Multidrug therapy is the most effective for the treatment of - (i) tuberculosis (ii) diarrhoea (iii) amoebiasis (iv) urinary tract infection

B. Define the following (any ten)

1×10

- a) Emetic
- b) Bradycardia
- c) Pharmacokinetics
- d) Myosis
- e) Haematuria
- f) Antibiotics
- g) sedative
- h) Ataxia
- i) Myocardial infarction
- j) Agonist
- k) Mucolytic

2. Answer any 10 (Ten) questions from the following:

3×10

- a) Classify antiviral agents with example.
- b) Write three pharmacological actions of oxytocin.
- c) Write down the treatment of malaria.
- d) Write the role of calcium channel blockers in hypertension.
- e) Discuss the advantages and disadvantages of oral route of drug administration.
- f) Write down the mechanism of action of proton pump inhibitors.
- g) Write a short note on COX1 & COX2 inhibitor.
- h) Compare between Active & Passive Transport.
- i) Classify antitussives and write their role in cough therapy.
- j) Write a short note on Thrombolytic drugs.
- k) Write a short note on Glaucoma.
- l) Describe preanaesthetic medications.

3. Answer any 6 (Six) questions from the following:

- a) Write short note on autacoids.
 - b) Classify diuretics and explain how thiazide diuretic works.
 - c) Write short note on thyroid and anti-thyroid agents.
 - d) Classify antihypertensive drugs with examples.
 - e) Write the mechanism of action of local anaesthetics and write about spinal anaesthesia
 - f) What are anti-amoebic drugs? Classify anti-amoebic drugs along with suitable examples.
 - g) Write a short note on oral hypoglycaemics.
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