

**KALOJI NARAYANA RAO UNIVERSITY OF HEALTH SCIENCES
WARANGAL, TELANGANA STATE – 506 002
MBBS SECOND YEAR DEGREE EXAMINATIONS: JANUARY, 2025
PHARMACOLOGY
PAPER – I**

Time: 3 Hours Max Marks: 100

Note: Answer all questions

Give Diagrammatic representation wherever necessary

Multiple Choice Questions: 10 × 1 = 10

- 1) Redistribution is a feature of
 - a) highly lipid soluble drugs
 - b) poorly lipid soluble drugs
 - c) depot preparations
 - d) highly plasma protein bound drugs
- 2) If the effect of combination of two drugs is equal to or greater than the sum of their individual effects, the two drugs are exhibiting:
 - a) Tachyphylaxis
 - b) Synergism
 - c) Cross tolerance
 - d) Antagonism
- 3) Prolonged lithium therapy can cause:
 - a) Diabetes insipidus
 - b) Goitre
 - c) Parkinsonism
 - d) Gout
- 4) The following are the Orphan drugs Except
 - a) Fomepizole
 - b) Acetyl Cysteine
 - c) Erythropoietin
 - d) Flumazenil
- 5) Which of the following anticholinergic agents is a CNS depressant
 - a) Atropine
 - b) Scopolamine
 - c) Dicyclomine
 - d) Oxyphenonium
- 6) Alpha I blocker without any effect on blood pressure
 - a) Prazosin
 - b) Doxazosin
 - c) Tamsulosin
 - d) Terazosin
- 7) All of the following are reversible inhibitors of cyclo-oxygenase except

- a) Diclofenac
 - b) Aspirin
 - c) Ibuprofen
 - d) Indomethacin
- 8) Choose the correct statement below
- a) Acidic drugs are largely ionized at acid gastric pH
 - b) Basic drugs attain higher concentration extracellularly at acid gastric pH
 - c) Weakly acidic drugs, ionize more at alkaline pH
 - d) Weakly basic drugs, ionize more at alkaline pH
- 9) Which of the following drug produces extrapyramidal side effects
- a) Metoclopramide
 - b) Cisapride
 - c) Domperidone
 - d) All of the above
- 10) Directly acting skeletal muscle relaxant is
- a) Dantrolene sodium
 - b) Pancuronium
 - c) Succinylcholine
 - d) Vecuronium

Essay / Long Answer Questions: $2 \times 15 = 30$

11. Classify Sedative Hypnotics. Write in brief the mechanism of action, uses, and adverse effects of Benzodiazepines.
12. Classify Beta Blockers. Write in brief their uses and adverse effects. Add a note on Cardioselective Beta Blockers.

Short Answer Questions: $7 \times 6 = 42$

13. Explain Drug Synergism with examples.
14. What is the First Pass Metabolism? Explain its significance.
15. Explain Pharmacogenetics with examples.
16. Describe the mechanism of action, uses, and adverse effects of Carbamazepine.
17. List commonly used NSAIDs. Explain their mechanism of action and common adverse effects.
18. Describe the pharmacotherapy of status asthmaticus.
19. Describe how to motivate patients with long-standing hypertension to adhere to the prescribed treatment.

Very Short Answer Questions: 6 × 3 = 18

20. Explain the rationale of using Tamsulosin in Benign Hypertrophy of Prostate (BHP).
21. List advantages of second-generation Antihistamines over conventional Antihistamines.
22. Name two Mucolytics with indications for their use.
23. Name two Antimotility Drugs with indications and contraindications.
24. Explain why the Geriatric age group requires special considerations while prescribing medications.
25. What is Eutectic Mixture of Local Anaesthetics (EMLA)? What is its indication?

firstranker.com
www.FirstRanker.com