

PAPER CODE:MB2019111

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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 X 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 mellitus
 - 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 1 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
 - c) Weakly acidic drugs, ionize more at alkaline PH
 - d) Weakly basic drugs ionize more at alkaline PH
- 9 Which of the following drug produce extra pyramidal side effect
 - a) Metoclopramide
 - b) Cisapride
 - c) Domperidone
 - d) All of the above
- 10 Directly acting skeletal muscle relaxants is
 - a) Dantrolene sodium
 - b) Pancuronium
 - c) Succinyl choline
 - d) Vecuronium

Essay/ Long Answer Questions:**2 X 15 = 30**

11. Classify Sedative Hypnotics. Write in brief the mechanism of action, uses, adverse effects of Benzodiazepines $4+4+4+3 = 15$

12. Classify Beta Blockers. Write in brief their uses and adverse effects add a note on Cardio Selective Beta Blockers? $4+4+4+3 = 15$

Short Answer Questions:**7 X 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 Asthmatics.

19. Describe how to motivate patients with long standing hypertension to adhere to the prescribed treatment of the physician.

Very Short Answer Questions:**6 X 3 = 18**

20. Explain the rationale of using Tamsulosin in Benign Hypertrophy of Prostate (BHP).

21. List advantages of second generation Antihistaminics over conventional Antihistaminics.

22. Name two Mucolytics with indications for their use.

23. Name two Antimotility Drugs with indications and contraindications.

24. Explain why Geriatric age group requires special considerations while prescribing medications.

25. What is Eutectic Mixture of Local Anaesthetics (EMLA)? What is its indication?
