

**PAPER CODE: MB2019112**

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**WARANGAL, TELANGANA STATE – 506 002**

**MBBS SECOND YEAR DEGREE EXAMINATIONS: AUGUST 2025**

**PHARMACOLOGY PAPER-II**

**Time: 3 Hours**

**Max Marks: 100**

**Note: Answer all questions Give Diagrammatic representation where ever necessary**

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**Multiple Choice Questions: 10 X 1 = 10**

1. Mesna is given with cyclophosphamide to
    - a) Increase absorption
    - b) Decrease excretion
    - c) Decrease metabolism
    - d) Ameliorate haemorrhagic cystitis
  2. Which of the below mentioned diuretic is used in Acute Mountain sickness
    - a) Indapamide
    - b) Xipamide
    - c) Acetazolamide
    - d) Clopamide
  3. Fourth generation Cephalosporin is:
    - a) Cefaclor
    - b) Cefepime
    - c) Cefuroxime
    - d) Cefoperazone
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4. All are adverse effects of glucocorticoids except

- a) Fragile skin
- b) Osteoporosis
- c) Hypokalemia
- d) Diabetes mellitus

5. Superinfection is commonly seen in all of the following conditions except

- a) use of broad-spectrum antibiotics
- b) use of immunosuppressant drugs
- c) Nutritional deficiency
- d) diabetes mellitus

6. Octreotide is a long-acting synthetic analogue of:

- a) Prolactin
- b) Growth hormone
- c) Somatostatin
- d) Gonadotropin releasing hormone

7. All are aminoglycosides except

- a) Neomycin
- b) Azithromycin
- c) Streptomycin
- d) Amikacin

8. Recombinant human erythropoietin is indicated for:

- a) Megaloblastic anaemia
- b) Haemolytic anaemia
- c) Anaemia in patients of thalassaemia
- d) Anaemia in chronic renal failure patients

9. Trimethoprim inhibits bacteria without affecting mammalian cells because:

- a) It does not penetrate mammalian cells
- b) It has high affinity for bacterial but low affinity for mammalian dihydrofolate reductase enzyme
- c) It inhibits bacterial folate synthetase as well as dihydrofolate reductase enzymes<sup>4</sup>
- d) All of the above

10. Which of the following are antioxidant vitamins that help in prevention of cardiovascular disease and cancer?

- a) Vitamin E
- b) Beta carotene
- c) Vitamin C
- d) All of the above

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

- 11. Classify Penicillins. Write the mechanism of action, uses and adverse effects of Aminopenicillins. What is the rationale of combining Amoxicillin with clavulanic acid. (3+3+3+3+3)
- 12. Classify the Oral Antidiabetic Drugs. Write the mechanism of action, therapeutic uses and adverse effects of Sitagliptin. (6+3+3+3)

**Short Answer Questions: 7 X 6 = 42**

- 13. Potassium Channel Openers.
- 14. Male Contraception.
- 15. Describe the mechanism of action, therapeutic uses and adverse effects of Thioamides.

16. Write various therapeutic uses and adverse effects of Thiazide Diuretics.
17. List out the Regimens used for treating Pulmonary Tuberculosis.
18. Advantages and disadvantages of Parenteral Iron Preparations.
19. Mention therapeutic uses and adverse effects of Sulphonamides.

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

20. What are the adverse effects of ACE Inhibitors.
21. Mention three topical Antifungal Agents.
22. Name three drugs used in Psoriasis.
23. Mention drugs used in treating Peripheral Arterial Disorders.
24. Enlist Anti Anginal Drugs.
25. Enlist three uses and three side effects of Digoxin.

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