

KALOJI NARAYANA RAO UNIVERSITY OF HEALTH SCIENCES

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 wherever necessary

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
4. All are adverse effects of glucocorticoids except
 - a) Fragile skin
 - b) Osteoporosis
 - c) Hypotension
 - 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 thalassemia
 - 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
 - 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.
