

KALOJI NARAYANA RAO UNIVERSITY OF HEALTH SCIENCES**WARANGAL, TELANGANA STATE – 506 002****MBBS SECOND YEAR DEGREE SUPPLEMENTARY EXAMINATIONS: JANUARY, 2026****PHARMACOLOGY****PAPER –II****Time: 3 Hours****Max Marks: 100****Note:** Answer all questionsGive Diagrammatic representation wherever necessary

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

1. The most commonly used inotropic agent for the management of Heart failure is
 - a) Noradrenaline
 - b) Adrenaline
 - c) Dobutamine
 - d) Isoprenaline
2. Digoxin acts by inhibiting
 - a) $H^+ K^+$ ATPase
 - b) $Na^+ K^+$ ATPase
 - c) $Na^+ Ca^{++}$ exchange
 - d) $Na^+ Cl^-$ exchange
3. Which of the following antitubercular agents are safe in pregnancy
 - a) Rifampicin
 - b) Streptomycin
 - c) Pyrazinamide
 - d) None of the above
4. Diuretic that can be used in renal failure
 - a) Spironolactone
 - b) Furosemide
 - c) Mannitol
 - d) Hydrochlorothiazide
5. Adverse effects of Amiodarone include all except
 - a) Photosensitization
 - b) Nephrotoxicity
 - c) Pulmonary Fibrosis
 - d) Hypothyroidism
6. Finasteride acts by:
 - a) Blocking testosterone receptors in the prostate gland
 - b) Reducing testosterone secretion from testes
 - c) Reducing LH secretion from pituitary
 - d) Lowering circulating as well as prostatic dihydrotestosterone concentration
7. Actions of bradykinin include the following except:
 - a) Fall in blood pressure
 - b) Cardiac depression
 - c) Increase in capillary permeability
 - d) Bronchoconstriction
8. The characteristic toxicity of Ethambutol is:
 - a) Hepatitis
 - b) Visual defects
 - c) Vestibular disturbance
 - d) Renal damage
9. The following is true of cyclophosphamide except:
 - a) It is highly reactive and a vesicant on contact
 - b) It is a prodrug
 - c) It has marked immunosuppressant property
 - d) It frequently causes alopecia and cystitis

10. All are contraindications to BCG vaccine except:

- a) Patients receiving Cancer therapy b) Pregnancy
- c) Individuals with compromised host defence d) Tuberculin positive individuals

Essay/ Long Answer Questions:

2 X 15 = 30

11. Classify Oral Antidiabetic Drugs. Write the mechanism of action, uses and adverse effects of Metformin. (5+4+3+3)

12. Classify the drugs used in Hypertension. Write the mechanism of action, uses and adverse effects of Angiotensin Converting Enzyme (ACE) Inhibitors.

(5+3+3+4)

Short Answer Questions:

7 X 6 = 42

13. Describe the mechanism of action, therapeutic uses and adverse effects of Selective Estrogen Receptor Modulators (SERMs).

14. Low Molecular Weight Heparins.

15. Erythropoietin.

16. Mention therapeutic uses and adverse effects of Metronidazole.

17. Describe the mechanism of action and therapeutic uses of Chloroquine.

18. Methotrexate.

19. Enlist the drugs used in Psoriasis.

Very Short Answer Questions:

6 X 3 = 18

20. Outline the Pharmacotherapy of Thyroid Storm.

21. What is Superinfection? Name two group of drugs producing it.

22. Mention adverse effects of INH. Explain the rationale of prescribing Pyridoxine with INH (Iso Nicotinic Acid Hydrazide).

23. Name three Immunosuppressant's with their therapeutic uses.

24. Mention three drugs used in the treatment of Scabies.

25. A 20 years old female patient presented with fatigue and shortness of Breath. Her Hb was 7g/dl. Blood smear showed hypochromic Microcytic red cells. How do you treat the above patient?
