

## MBBS-II(P)-VS-Pharmacology-II

2021

Time :As in Programme

Full Marks : 40

*The figures in the right-hand margin indicate marks.*

*Answer **all** questions.*

1. Classify anti-hypertensive drugs on the basis of their site of action. Elaborate on the anti-hypertensive mechanism of thiazide diuretics & mention the adverse effects of thiazides. 4+4+2
2. Compare & contrast: 5x2
  - a. Lispro and regular insulin
  - b. Aminopenicillins and carboxy penicillins
3. Write pharmacological basis of therapeutic use: 2x5
  - a. Primaquine in radical cure of malaria
  - b. Heparin as anticoagulant of choice in pregnancy
  - c. Triiodothyronine in myxedema coma
  - d. FDC of trimethoprim & sulphamethoxazole
  - e. Adrenaline in anaphylactic shock

(Turn Over)

4.a. Fill in the blanks: 1x5

- i. Anti-TB drug with adverse effect of optic neuritis is \_\_\_\_\_.
- ii. \_\_\_\_\_ is the most effective drug to rise HDL levels.
- iii. Mannitol is a \_\_\_\_\_ type of diuretic.
- iv. \_\_\_\_\_ is a broad spectrum anti-arrhythmic agent.
- v. 'Mesna' is used to treat hemorrhagic cystitis caused due to \_\_\_\_\_.

4.b. MCQ: 1x5

- i. Not true about LMW Heparin
  - a. High S.C bioavailability
  - b. Longer t/2
  - c. Low incidence of thrombocytopenia
  - d. High incidence of osteoporosis
- ii. Long acting glucocorticoid is
  - a. Hydrocortisone
  - b. Prednisolone
  - c. Cortisone
  - d. Dexamethasone

iii. All are parenteral preparations of iron except

- a. Iron sorbitol
- b. Iron gluconate
- c. Iron sucrose
- d. Iron dextran

iv. Effect of tamoxifen is

- a. Reduces hot flushes
- b. Reduces endometrial proliferation
- c. Reduces breast cancer tumor size
- d. Reduces anti-resorption of bone

v. All are peculiarities of aminoglycosides except

- a. Cause ototoxicity & nephrotoxicity
- b. Highly polar compounds
- c. Anaerobes are resistant
- d. Metabolized by glucoronidation

