

22223

3 Hours / 80 Marks



20221

Seat No.

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- Instructions* –
- (1) All Questions are *Compulsory*.
 - (2) Answer each next main Question on a new page.
 - (3) Illustrate your answers with neat sketches wherever necessary.
 - (4) Figures to the right indicate full marks.
 - (5) Assume suitable data, if necessary.
 - (6) Mobile Phone, Pager and any other Electronic Communication devices are not permissible in Examination Hall.
 - (7) In case student has attempted sub-question of question no. 3 more than once, only first attempt should be considered for assessment.

Marks

1. **Attempt any SIX of the following:** **30**
- a) Define Antihypertensive agents. Classify them. Mention types of Hypertension.
 - b) What are Opioid Analgesics? Give examples. Write pharmacological actions of morphine.
 - c) Define Bioavailability and Biotransformation. Explain various routes of Drug Excretion.
 - d) Define chemotherapy. Give classification of antibiotics based on type of bacteria. Explain drug combination is used in treatment of tuberculosis.
 - e) Define Local Anaesthetics. Give two examples. Write uses of local anaesthetic.
 - f)
 - i) What are corticosteroids? Give examples.
 - ii) Write note on Thyroid hormones.
 - g) Define Antiemetics. Give two examples, classify antiulcer agents with examples.
2. **Attempt any TEN of the following:** **30**
- a) Describe drugs used in treatment of Atherosclerosis.
 - b) Explain advantages and disadvantages of parenteral route of administration.
 - c) Give one example of each :
 - i) Thrombolytic
 - ii) Anti-platelet
 - iii) Haematinic
 - d) Classify cholinergic (parasympathomimetics) drugs.
 - e) Define Autocoids. Give examples. Explain : physiological role of prostaglandins.
 - f) Define and classify bronchodilators.
 - g) Classify anti-convulsants with examples.
 - h) Define diuretics and give indications for use of diuretics.
 - i) What is insulin used for? What is its route of administration? Mention its adverse effects.
 - j) Define anthelmintics. Give examples. Explain : Anthelmintics are administered with purgative
 - k) Write examples and therapeutic uses of aminoglycoside antibiotics.

P.T.O.

**3. Attempt ALL of the following:**

- a) Define cardiotonics.
- b) Give two examples of Nootropic agents.
- c) Give full form of NSAID.
- d) Mention two groups of medicines that come under Biologicals.
- e) Give route of administration for each: Salbutamol and Neostigmine
- f) Chlorzoxazone is used as:
 - i) Antiparkinsonian
 - ii) Antihistaminic
 - iii) Centrally acting muscle relaxant
 - iv) Antibiotic
- g) Give two examples of antidiarrhoeal agents.
- h) Name the antidote for iron poisoning.
- i) What is therapeutic index.
- j) Mention drug of choice in treatment of Belladonna poisoning.
- k) Route of administration of Halothane is _____.
- l) Mention two common side effects of antineoplastic agents.
- m) Give one example of mydriatic.
- n) MAO inhibitors are used as
 - i) Antiintective
 - ii) Antidepressants
 - iii) Antihistaminics
 - iv) Antipyretics
- o) Mention therapeutic use of each :
 - i) Methimazole
 - ii) Metformin
- p) Frusemide is used as :
 - i) Analgesic
 - ii) Adsorbent
 - iii) Antibiotic
 - iv) Diuretic
- q) Triple response is produced by :
 - i) Heparin
 - ii) Heroin
 - iii) Histamine
 - iv) Hydrocortisone
- r) Mention therapeutic use of each :
 - i) Acyclovir
 - ii) Fluconazole
- s) This drug is contraindicated in pregnancy :
 - i) Paracetamol
 - ii) Tetracycline
 - iii) Folic acid
 - iv) Methyldopa
- t) Dale's vasomotor reversal is shown by _____