



Pharmacology

22223

3 Hours/ 80 Marks

20226

Seat No. _____

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

1. Attempt any SIX of the following: 30 Marks

- Define Antihypertensive agents. Classify them. Mention types of Hypertension.
- What are Opioid Analgesics? Give examples. Write pharmacological actions of morphine
- Define Bioavailability and Biotransformation. Explain various routes of Drug Excretion.
- Define chemotherapy. Give classification of antibiotics based on type of bacteria. Explain drug combination is used in the treatment of tuberculosis.
- Define Local Anaesthetics. Give two examples Write uses of local anaesthetic.
- i) What are corticosteroids? Give examples.
ii) Write a note on Thyroid hormones.
- Define Antiemetics. Give two examples, and classify antiulcer agents with examples.

2. Attempt any TEN of the following: 30 Marks

- Describe drugs used in treatment of Atherosclerosis.
- Explain advantages and disadvantages of parenteral route of administration.
- Give one example of each
 - Thrombolytic
 - Anti-platelet
 - Haematinic
- Classify cholinergic (parasympathomimetics) drugs.
- Define Autocoids. Give examples. Explain physiological role of prostaglandins.
- Define and classify bronchodilators.
- Classify anti-convulsants with examples.

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- h) Define diuretics and give indications for use of diuretics.
- i) What is insulin used for? What is its route of administration? Mention here adverse effects.
- j) Define anthelmintics. Give examples. Explain Anthelmintics are administered with purgative
- k) Write examples and therapeutic uses of aminoglycoside antibiotics

3. Attempt ALL questions:

20 Marks

- 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) Anti-infective
- ii) Antidepressants
- iii) Anti-histamines
- 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 acid
- iii) Folic acid
- iv) Methyldopa
- t) Dale's vasomotor reversal is shown by _____.

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