

12425

03 Hours / 80 Marks



0812

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) Use of Non-programmable Electronic Pocket Calculator is permissible.
 - (7) Mobile Phone, Pager and any other Electronic Communication devices are not permissible in Examination Hall.

Marks

1. Attempt any EIGHT of the following:

16

- a) Define the following giving example:
 - i) Anthelmintic
 - ii) Anticoagulant.
- b) Give uses of Evans blue and Indigo-carmin.
- c) Write structure of following groups (Any two):
 - i) Acetyl
 - ii) Vinyl
 - iii) Anilino.
- d) Give two brand names of following drugs:
 - i) Paracetamol
 - ii) Metronidazole.
- e) Give structure and numbering method for (any two):
 - i) Furan
 - ii) Imidazole
 - iii) Thiazole.
- f) Name the drug present in the following brands:
 - i) Ecosprin
 - ii) Stemetil.
- g) Draw structure of drug from given chemical name:
 - i) Ethyl-P - amino benzoate
 - ii) 2, 6-diamino acridine.
- h) In what dosage form the following drugs are administered?
 - i) Tolnaftate
 - ii) Insulin
- i) Name the drug present in following brand:
 - i) Valium
 - ii) Mebex.
- j) Give stability storage condition of:
 - i) Insulin
 - ii) Diethyl ether
- k) Write the importance of Vit A and Vit C.
- l) Write names of four fat soluble vitamins.

2. Attempt any FOUR of the following:

12

- a) Classify Antiseptic and Disinfectant, with suitable examples.
- b) Define antibiotics. Give structure uses of Benzylpenicillin.
- c) Define "General Anaesthetic". Draw structure and give chemical name of Halothane.
- d) Give structure chemical name and important therapeutic uses chloroquine.
- e) Explain Drug synergism with co-trimoxazole.
- f) Give structure, chemical name and uses of Thyroxin.

P.T.O.



3. **Attempt any FOUR of the following:** 12
- Define and classify Anti-depressants with examples.
 - Classify Antimalarial agents. Also give the structure of Pyrimethamine.
 - Give prop, brand name and uses of Ibuprofen.
 - Define Cholinergic drugs. Write the uses of Pilocarpine and Physostigmine.
 - What are antihistaminics? Give classification of antihistaminics with examples.
 - Draw the structure of steroidal nucleus with numbering. Write uses of testosterone.
4. **Attempt any FOUR of the following:** 12
- Define and classify Antitubercular agents.
 - Name a tranquillizer belonging to benzodiazepine class. Give its structure and popular brand names.
 - Define CNS stimulants. Discuss their uses and draw structure of Coramine.
 - Give structure, properties and uses of Atropine.
 - Classify Hypnotics and sedatives. Draw structure of Phenobarbitone.
 - Give structure and uses of:
 - Indomethacin
 - Ephedrine.
5. **Attempt any FOUR of the following:** 12
- Give structure and use of propranolol and Pethidine.
 - Define anti-neoplastic drugs. Write uses of cyclophosphamide and methotrexate.
 - What is Amoebiasis? Write structure and uses of Metronidazole.
 - Classify Adrenergic drugs. Draw structure of Isoprenaline.
 - Explain "Cardiovascular agent". Classify them based on their therapeutic uses with examples.
 - What is "Leprosy"? Give structure and chemical name of sulfone, drug used in Leprosy.
6. **Attempt any FOUR of the following:** 16
- Give medicinal uses of (Any Four):
 - Ampicillin
 - Neostigmine
 - Cephalexin
 - Guanethidine
 - D.E.C.
 - Congo red.
 - Classify Diuretic with suitable example and draw structure of Furosemide.
 - Differentiate between general and local anaesthetics. Draw structure of Procaine or Lignocaine.
 - What is epilepsy? Classify anticonvulsants with example.
 - Give uses and preparation (Any two):
 - Chloramphenicol
 - Salbutamol
 - Paracetamol
 - Promethazine.
 - What is diabetes mellitus? Name any two oral hypoglycemic agents. Give properties and structure of chlorpropamide or phenformin.
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