

24225

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) 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) Give the name and structure of drug containing following heterocycle (Any two)
 - i) Quoniline
 - ii) Azepine
 - iii) Indole
- b) Give the structure and method of numbering of the following (Any two)
 - i) Pyrrole
 - ii) Pyridine
 - iii) Furan
- c) Give the brand name of (Any two)
 - i) Rifampicine
 - ii) Aspirin
 - iii) Indomethacine
- d) Write the structure of the following groups – (Any two)
 - i) Alcohol
 - ii) Aniline
 - iii) Formyl
- e) Give the stability storage condition of – (Any two)
 - i) Insulin
 - ii) Halothane
 - iii) Procaine
- f) Give the uses of the following drug – (Any two)
 - i) Coramine
 - ii) Mannitol
 - iii) Nystatin
- g) Give the structure and uses of Chlorpromazine.
- h) Name the drugs used in the treatment of – (Any two)
 - i) Giardiasis
 - ii) Insomnia
 - iii) Hypothyroidism
- i) Draw the structure of – (Any two)
 - i) Succinamide
 - ii) Lignocaine
 - iii) INH
- j) Explain the following terms – (Any two)
 - i) Anti-pyretics
 - ii) Neuroleptic
 - iii) Antibiotic
- k) Draw the structure of the drug from the given chemical name – (Any two)
 - i) 5 - methyl, 5 - Phenyl Barbituric acid
 - ii) 4 - Chloro, 3 - methyl phenol
 - iii) 2, 6 - diamino acridine
- l) Classify Adrenomimetics drugs.

2. Attempt any **FOUR** of the following :

12

- a) Define Antileptotics. Give the structure and Chemical name of D.D.S.
- b) Draw the structure, give the chemical name and uses of proflavine.
- c) Define Antidepressants. Give the properties and uses of amitriptyline.
- d) Draw the structure of – (Any three)
 - i) PAS
 - ii) Indomethacine
 - iii) Phenoxy methyl penicillin
 - iv) Cyclopropane
 - v) Chloroquine
- e) Draw the structure and give the properties and uses of Piprazine.
- f) Define antihistaminic agents. Draw the structure and give the uses of chlorpheniramine.

P.T.O.



3. **Attempt any FOUR of the following :** 12
- Draw the structure, give the uses and properties of Sulphguanidine.
 - Define Antineoplastic drugs and classify them with examples.
 - Draw the structure, give the properties and uses of Aspirin.
 - Give the uses of – (Any three)
 - Pyrazinamide
 - Centrimide
 - Amphotericin-B
 - Cycloserine
 - Thyroxine
 - Define general anesthetics. Draw the structure and give the chemical name of halothane.
 - Give the names of three water insoluble vitamins, with their uses and deficiency diseases.
4. **Attempt any FOUR of the following :** 12
- Name four cardiovascular drugs and classify them with examples.
 - Define Anthelmintics. Draw the structure and give the physical properties of D.E.C.
 - Define diuretics. Draw the structure, give the chemical name and uses of furosemide.
 - Draw the structure of steroid. Give the chemical name and uses of cortisone.
 - Write a short note on Co-trimoxazole.
 - Write the dosage form of the following drugs –
 - Testosterone
 - Tetracyclin
 - Adrenaline
5. **Attempt any FOUR of the following :** 12
- Classify Antimalarial drugs with suitable examples.
 - What are sympatholytics ? Write structure and uses of propranolol.
 - Write the uses of the following.
 - Evan's Blue
 - Congo Red
 - Indigo Carmine
 - Write the properties, therapeutic uses and official preparations of Atropine.
 - Define Coagulants and Anticoagulants. Write the uses of warfarin.
 - Classify Tranquilisers with examples.
6. **Attempt any FOUR of the following :** 16
- Give the medicinal uses of the following :
 - Cephalexin
 - Chlorpropamide
 - Neostigmine
 - Penicillin
 - Explain the following terms – (Any four)
 - Hypnotics
 - Hypoglycemic agents
 - Analeptics
 - Cardiotonics
 - Cholinergic agents
 - Anticonvulsants
 - Define Hypnotics. Draw the structure, give the chemical name and uses of Phenobarbitone.
 - Give the uses of –
 - Tolnaftate
 - Hydatoin
 - Procaine
 - Morphine
 - Draw the structure for the following chemical names.
 - 5, 5, diphenyl imidazolidine 2, 4 – dione
 - N, N, diethyl, 5 methyl piperazine - 1 - carboxamide
 - Give the uses of –
 - Chlorocresol
 - Cyclophosphamide
 - Iopanoic acid
 - Propantheline
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