

0812

11819

3 Hours / 80 Marks

Seat No.

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- Instructions* – (1) All Questions are *Compulsory*.
(2) Answer each next main Question on a new page.
(3) Figures to the right indicate full marks.
(4) Illustrate your answers with neat sketches wherever necessary.
(4) 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 structure and method of numbering of (any two)
 - (i) Pyrazole
 - (ii) Isoquinoline
 - (iii) Piperidine
- b) Write structure of following groups (any two)
 - (i) Acetyl
 - (ii) Isopropyl
 - (iii) Anilino
- c) Give the name and structure of drug containing following heterocycle (any two)
 - (i) Furan
 - (ii) Pyridine
 - (iii) Indole
- d) Give popular brand names of (any two)
 - (i) Streptomycin
 - (ii) Paracetamol
 - (iii) Ibuprofen

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- e) Draw structure of drug from given chemical name (any two)
 - (i) 4-chloro N-furfuryl-5-sulphamoyl anthranilic acid
 - (ii) 2, 6-diamino acridine
 - (iii) 4-butyl 1,2-diphenyl pyrazolidine-3,5-dione
- f) Give uses of following drug (any two)
 - (i) Nikethamide
 - (ii) Benzocaine
 - (iii) Warfarin
- g) Explain the following terms (any two)
 - (i) Cardiotonic
 - (ii) Neuroleptic
 - (iii) Analgesic
- h) Classify Sympathomimetic agents.
- i) Give the structure and uses of Haloperidol.
- j) Name the drug used for treatment of (any two)
 - (i) Gout
 - (ii) Hypothyroidism
 - (iii) Anxiety
- k) Give stability storage condition of (any two)
 - (i) Insulin
 - (ii) Diethyl ether
 - (iii) Acetylcholine
- l) Draw structure for (any two)
 - (i) Chloroquine
 - (ii) Isoniazid
 - (iii) Procaine

2. Attempt any FOUR of the following:

12

- a) Define "General Anaesthetic." Draw structure and give chemical name of Halothane.
- b) Classify antimalarial with suitable examples.
- c) Give structure, properties and uses of sulphadiazine.

- d) Enlist the uses/functions of any three water soluble vitamins.
- e) Write properties, therapeutic uses and official preparation of Atropine.
- f) How anti-neoplastics are classified? Explain with examples.

3. Attempt any FOUR of the following: 12

- a) Explain the following terms (any three)
 - (i) Antibiotic
 - (ii) Hypnotic
 - (iii) Analeptic
 - (iv) Diagnostic agent
- b) What are cardiovascular agents? Classify.
- c) Classify Antiseptic and Disinfectant, with suitable examples.
- d) Draw structure and give properties and uses of Aspirin.
- e) Enlist the different Antitubercular agents and draw structure and give properties of Ethambutol.
- f) Define Anthelmintic. Give properties and uses of Mebendazole.

4. Attempt any FOUR of the following: 12

- a) Classify Tranquilisers with examples.
- b) Give structure, properties and uses of Diazepam.
- c) Define Coagulant and Anticoagulant with one example of each.
- d) What are sympatholytics? Write structure and uses of Propranolol.
- e) Enlist different sex hormones in human body. Explain the role and uses of Testosterone.
- f) Give medicinal uses of (any three)
 - (i) Tetracycline
 - (ii) Cetrimide
 - (iii) Diphenhydramine
 - (iv) Ethambutol
 - (v) Ranitidine

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5. Attempt any FOUR of the following:**12**

- a) Draw structure and give chemical name and medicinal uses of Imipramine.
- b) What is “Leprosy”? Give structure and properties of drug used in Leprosy.
- c) Give structure, properties and brand name of Phenobarbitone.
- d) Define Antidepressant. Give properties and uses of Amitriptyline.
- e) Classify Antihistaminic agents with examples.
- f) Draw the structure of (any three)
 - (i) Sulfacetamide
 - (ii) Indomethacin
 - (iii) Caffeine
 - (iv) Ampicillin
 - (v) Menadione

6. Attempt any FOUR of the following:**16**

- a) Classify Antihypertensive agent with examples.
- b) Explain anti-inflammatory agent. Give name, structure and properties of pyrazole containing anti-inflammatory agent.
- c) Classify Diuretic with suitable example and draw structure of Hydrochlorothiazide.
- d) What is diabetes mellitus? Name three oral hypoglycemic agent. Give properties and structure of Chlorpropamide or Phenformin.
- e) Draw structure and give properties, storage condition and uses of Lignocaine.
- f) Give medicinal uses of (Any Four)
 - (i) Ampicillin
 - (ii) Neostigmine
 - (iii) Cephalexin
 - (iv) Guanethidine
 - (v) D.E.C.
 - (vi) Congo red