

0812

21222

3 Hours / 80 Marks

Seat No.

--	--	--	--	--	--	--	--

15 minutes extra for each hour

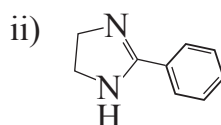
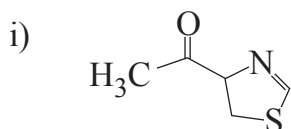
- Instructions* – (1) All Questions are *Compulsory*.
(2) Answer each next main Question on a new page.
(3) Illustrate your answer with neat sketches wherever necessary.
(4) Figures to the right indicate full marks.
(5) Assume suitable data, if necessary.
(6) Mobile Phone, Pager and any other Electronic Communication devices are not permissible in Examination Hall.

Marks

- 1. Attempt any EIGHT of the following: 16**
- a) Give the structure and method of numbering for following:
i) Isoquinoline.
ii) Acridine.
- b) Write structure and uses of methyldopa.
- c) Write structures of
i) Lignocain.
ii) Pethidine.
- d) Write the structure of following substituents.
i) N-methyl carbamoyl.
ii) Guanidino.
- e) Write the structure of one drug containing following heterocycles.
i) Indole.
ii) Quinoline.

P.T.O.

- f) Describe uses and official preparations of Biperiden.
- g) Define terms with suitable examples.
- i) Adrenolytics.
 - ii) Cardiotonic drugs.
- h) Write structure and IUPAC name of phenformin.
- i) Enlist three anticoagulants. Write use for any one of them.
- j) Mention the uses and brand names of Pentazocin.
- k) Write the uses of Niacin.
- l) Give IUPAC nomenclature for following compounds.



2. Attempt any FOUR of the following: 12

- a) Draw structure and give IUPAC name for proflavin and chlorocresol.
- b) Define and classify anticonvulsants with suitable examples.
- c) Write structure and IUPAC names of
 - i) Isoprenaline.
 - ii) Acetaminophen.
- d) Mention properties, uses, dosage forms and brand names of Clofibrate.
- e) Classify antiarrhythmic drugs. Write structure of Procainamide.
- f) Write structure, IUPAC name and uses of Indomethacin.

3. Attempt any FOUR of the following: 12

- a) Define and classify antibiotics on the basis of chemical structure. Write suitable examples.
- b) Chemically classify sulphonamides. Write structure and uses of Sulphaguanidine.
- c) Draw structure, write IUPAC name, uses and brand names of Chlorpromazine.
- d) Write structure, IUPAC name and uses of Ethambutol.

- e) Write structure, IUPAC name, uses and brand names of Glutethimide.
- f) Define anticholinergics. Describe therapeutic usefulness of anticholinergics.

4. Attempt any FOUR of the following: 12

- a) Describe storage and uses of:
 - i) Amphotericin B.
 - ii) Propylidone.
 - iii) Hamycin.
 - iv) Congo red.
- b) Define and classify Antitubercular drugs with suitable examples.
- c) Give structure, chemical name, therapeutic uses and brand names of Ampicillin.
- d) Write structures and uses of
 - i) Propantheline.
 - ii) Neostigmine.
- e) Give properties, uses, dosage form and brand name of Betamethasone.
- f) Define vitamins. Write uses and deficiency state for following:
 - i) Cyanocobalamine.
 - ii) Pyridoxine.

5. Attempt any FOUR of the following: 12

- a) Chemically classify antiamoebic drugs with suitable examples from each class.
- b) Write structure and brand names of
 - i) Sulphadiazine.
 - ii) Thyroxine.
- c) Write chemical structure, IUPAC name, properties and uses of drug belonging to 4-aminoquinoline group.

- d) Give therapeutic use and official preparations of
- Chloramphenicol.
 - Oxyphenbutazone.
- e) Name three antibiotics used to treat cancer. Give properties and uses of any one of them.
- f) Write chemical structure, IUPAC name, uses and brand names of Chlorpropamide.

6. Attempt any FOUR of the following:

16

- a) Write structures of following compounds.
- 4-butyl-1, 2-diphenyl pyrazolidine-3, 5-dione
 - 5,5 diphenyl imidazolidine 2, 4-dione
 - 5- α -androstande
 - 3-(4-Chlorophenyl)-N, N-dimethyl-3-(2-pyridinyl)-1-propanamine.
- b) Describe properties, uses and brand names of
- Dapsone.
 - Diethylcarbamazine.
- c) Define and classify with examples.
- Analeptics.
 - Local anaesthetics.
- d) Give the structure and IUPAC name of
- Frusemide
 - Hydrochlorthiazide.
- e) Chemically classify antihistaminic drugs with suitable examples. Draw the structure of Diphenhydramine.
- f) Mention properties, uses and brand names of
- Methimazole.
 - Prednisolone.
-