

Final Year (New) Pharmacy
PHARMACEUTICAL CHEMISTRY - II
(202)

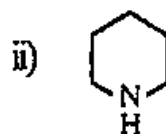
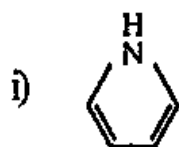
Time : Three Hours

Maximum Marks : 80

- Note :** i) Attempt total *six* questions. Question No.1 is compulsory.
From the remaining questions attempt any *five*.
ii) Illustrate your answer with neat sketches wherever necessary.

1. Attempt any five questions. 10

- a) Give the category of Thiopental sodium and Chlorpheniramine.
- b) Give the structure of followings rings
 - i) Indole
 - ii) Imidazole
- c) Write the formulae of the following organic groups
 - i) Acetyl
 - ii) Ethynyl
- d) Give the name of following :



- e) Explain
 - i) Cool place
 - ii) Cold place
- f) Write the formulations in which following drugs are usually given
 - i) Chloroquine
 - ii) Furosemide

2. Give the structure physical properties, category and storage conditions of the following (any four) 14

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|---------------|-------------------|
| a) Dapsone | b) Phenobarbitone |
| c) Caffeine | d) Propranolol |
| e) Lignocaine | f) Aspirin |

3. Define and classify antimalarials. Discuss properties, chemical structure and uses of any two drugs. 14
4. Define and classify cardiovascular drugs with examples. Write structure, nomenclature, physical properties, stability, storage and official preparation of any two drugs. 14
5. Write brief notes on any two: 14
- a) Anticoagulants
 - b) Diagnostic agents
 - c) Antitubercular drugs
6. a) Explain Diabetes. Discuss briefly insulin and its preparations.
b) Write a brief chemical account on water soluble vitamins. 14
7. Write the storage, nomenclature and official preparations of the following drugs (any seven) 14
- | | |
|-------------------------------|----------------------|
| i) Prednisolone | ii) Nalorphine |
| iii) Gentamycin | iv) Indomethacin |
| v) Cetrimeide | vi) Halothane |
| vii) Chlorpheniramine maleate | viii) Chlorpromazine |
| ix) Sulfadiazine | x) Diazepam |
8. Write note on any two: 14
- a) Antineoplastic drugs
 - b) Disinfectants
 - c) Non-narcotic analgesics
 - d) Adrenergic drugs

