

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

Time : Three Hours

Maximum Marks : 80

Note : All questions are compulsory.

1. Attempt any four of the following questions. 20

- a) Define the following terms.
 - i) Antitussive
 - ii) Sedatives
 - iii) Antiparkinsonians
 - iv) Cholinergic
- b) Write the structure of following groups.
 - i) Acetyl
 - ii) Butyl
 - iii) Benzyl
 - iv) Phenethyl
- c) Write the chemical name of the following group.
 - i) $\text{H}_2\text{N CO}$
 - ii) $\text{CH}_3\text{CH}_2 - \text{O}$
 - iii) $\text{C}_6\text{H}_5\text{CO NH}$
 - iv) $\text{C}_6\text{H}_5 \text{CO}$
- d) Write the name and structure of drug containing following structure.
 - i) Imidazoline
 - ii) Pyrazine
 - iii) Quinoline
 - iv) Thiophene
- e) Write the structure and method of numbering.
 - i) Tropane
 - ii) Benzimidazole
 - iii) Indole
 - iv) Xanthine

2. Answer any three of the following. 12

- a) Define and classify antiseptic and disinfectants giving suitable example.
- b) Write structure, chemical name physico chemical properties and uses of sulphamethoxazole.
- c) Write the name and structure of any three penicillins. Write the properties, uses and official preparations of any one of them.
- d) Write the structure and uses of the following.
 - i) Cycloserine
 - ii) Dapsone
 - iii) Pyrazinamide
 - iv) Quiniodochlor

3. Answer any three of the following. 12

- Define and classify antiulcer drugs with suitable example.
- Write structure properties and uses of Diphenhydramine.
- Define and classify analgesic and Antipyretic with example.
- Write a note on Antithyroid drugs.

4. Answer any three of the following. 12

- Write structure, chemical name uses and official preparations of Sodium valproate.
- Write the brand name of the following.
 - Chlordiazepoxide
 - Diazepam
 - Haloperidol
 - Paraldehyde
- What is Insomnia? Classify Hypnotics giving suitable examples.
- Write the structure, chemical name, properties and uses of Propranolol.

5. Answer any three of the following. 12

- Define Sympatholytic drugs. Classify with suitable examples.
- Write structure, chemical name and uses of Propantheline or Homatropine.
- Write the structure and uses of Nikethamide and Tranylcypromine.
- Write a short note on local Anaesthetic.

6. Answer any three of the following. 12

- Name the antimalarial agents having following feature.
 - Biguanide
 - 4-Aminoquinoline
 - 2,4 diaminopyrimidine
- What is blood coagulation? Write the names of any two anticoagulants.
- Write note on Antiamoebic drugs.
- Discuss Antipsychotic drugs.

