

DO NOT WRITE ANYTHING ON YOUR QUESTION PAPER EXCEPT YOUR ROLL NO. QUESTION PAPER CONTAINING ANYTHING WOULD BE TREATED AS MALPRACTICE

Answer the questions serially and continuously

Subject: PHARMACHEMISTRY (Theory)

Full Mark -80

Time -3 hrs

1. **Answer any six questions:** (6 x 5)
- Define and classify anti-malarial agents. Write down the structure, chemical name, and popular brand names of Chloroquine.
 - Define impurities and describe the various sources of impurity .
 - Define and classify diuretics. Write down the structure, chemical name and popular brand names of Furosemide .
 - Define and classify Antacids .Discuss why the combination of antacids is so popular Now-a-days
 - Write in detail about the basic principle of Complexometric titration ? Illustrate with examples.
 - Classify NonSteroidal Anti-inflammatory Drugs(NSAIDs) with suitable example, Write the structure , chemical name & Popular brand names of IBUPROFEN & ASPIRIN
 - Classify sympathomimetic agents with examples. Write the structure, chemical name and uses of (a) Dopamine (b) Naphazoline.
2. **Answer any ten questions:** (10 x 3)
- Write the Principle involved in Limit test for Arsenic.
 - Write down the Advantages & Limitations of Lewis theory of acids and bases.
 - Distinguish between Accuracy & Precision .
 - Mention the structure, IUPAC name & popular brand name of INH & Pretomanid.
 - Define cholinergic drugs. Mention the structure of Acetyl choline & Neostigmine?
 - Define Antibiotics. Write the structure, use & popular brand name of Amoxycillin.
 - What do you mean by Anticonvulsants? Write the structure, use & brand name of Valproic acid .
 - Write three medicinal agents with structure, each containing three heterocyclic ring.
 - Write down the Storage condition & uses of nitrous oxide.
 - Write down the stages of anaesthesia.
 - Classify antineoplastic agents with suitable example.
3. **(A) Write down the structure and uses of the following compounds** (1 x 10)
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|-----------------|-------------------|---------------------|-----------------|
| i) Paracetamol | ii) Pheniramine | iii) Phenobarbitone | iv) Haloperidol |
| v) Dapsone | vi) Sulfacetamide | vii) Acyclovir | viii) Phenytoin |
| ix) Propranolol | x) Chlorpromazine | | |
- (B) Write down the structure, numbering and name of one drug each for the following heterocyclic rings.** (1 x 5)
- i) Isoquinoline ii) Pteridine iii) Piperazine iv) Thiophene v) Pyridazine
- (C) Define the following :**
- i) Molarity ii) Precipitation iii) Significant figure iv) Gross error v) Conjugate base (1 x 5)
