

**VINAYAKA MISSION'S RESEARCH FOUNDATION
(Deemed to be University), SALEM**

**DIPLOMA IN PHARMACY EXAMINATION –October 2021
Second Year**

PHARMACEUTICAL CHEMISTRY - II

Time: Three hours

Maximum: 80 marks

Answer **Any EIGHT** questions only
All questions carry equal marks
Draw Neat, Labelled Diagram wherever necessary.

1. What are Cholinergic antagonists? Describe the chemistry, properties, storage and uses of Atropine, Propantheline and Biperiden.
2. Draw the chemical structure and mention the uses of the following compounds
 - a) Acetyl salicylic acid
 - b) Acetaminophen
 - c) 1-phenethyl biguanide
 - d) 5,5 – Diphenyl hydantoin
3. Write a detailed note on
 - a) Antibiotics
 - b) Antifungal agents
4. Define and classify Antitubercular drugs. Write the chemistry, storage and brand names of Isoniazid Ethambutol and Pyrazinamide.
5. Give an account of Histamine and Antihistaminic agents. Write the structure, properties, storage and popular brand names of Chlorpheniramine.
6. Write short notes on
 - i) Vitamins
 - ii) Adrenergic drugs
7. Write the chemical structure and uses of the following drugs
 - i) Proflavine
 - ii) Metronidazole
 - iii) Chloroquine
 - iv) Pyrimethamine

8. Write short notes on

- i) Diuretics
- ii) Analeptics

9. Give an account of Non-steroidal Anti-inflammatory agents. Write the chemistry of Indomethacin and Phenylbutazone.

10. Write the chemical structure, uses and popular brand names of the following drugs

- i) Propranolol
- ii) Mannitol
- iii) Pethidine
- iv) Lignocaine

(Sl.No. M21245)