

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

**DIPLOMA IN PHARMACY EXAMINATION – October 2018**  
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 analgesics? Classify non – steroidal anti – inflammatory agents with suitable examples write the structure of Analgin.
2. What are adrenergic and anti adrenergic drugs? Write the structure properties and uses of (a) Adrenaline (b) Isoprenaline (c) Propranolol hydrochloride
3. Write notes on : (a) Coronary vasodilators (b) Anti – fungal drugs
4. Give the classification of anti- tubercular drugs. Give structure and chemical name of  
(a) Isoniazide (b) Ethambutol hydrochloride (c) Pyrazinamide
5. Write the chemistry of betalactum antibiotics
6. What are antimalarials? Give the classification chemical structure and properties antimalarial drugs.
7. Define antiseptics and disinfectants mention the physical and chemical properties of formaldehyde.
8. Give an account of various preparations of Insulin. Mention their storage conditions.
9. Give an account of chemistry of sulphonamides. Classify with suitable examples. Write the structure of sulphaguanidine.
10. Write an essay on coagulants and anticoagulants.

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