

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

**DIPLOMA IN PHARMACY EXAMINATION – April 2019**  
**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. a) What is antiseptic? Write the classification of anti septics. (2+3)  
b) Write structure for the following : (5)  
i) Nitrofurantoin ii) Hexa chlorophene iii) Cetrimide  
iv) Benzal konium chloride v) Chloro cresol.
2. a) Write note on antitubercular drugs. (5)  
b) Write the structure for the following drugs : (5)  
i) Iso niazid ii) Rifampicin iii) Ethionamide iv) Ethambutol  
v) Streptomycin.
3. Explain the following drug a) Cardiac glycosides (5)  
b) Non steroidal anti inflammatory agents. (5)
4. Define steroidal drugs with suitable examples with its pharmacological use.
5. Define Anaesthesia. Classify the anaesthesia with example drugs.
6. What is diuretics? Classify with examples and write the structure of furosemide, chlorothiazide and Benzthiazide.
7. What is penicillin? Write some advantages for semi synthetic penicillins? Write the storage conditions of penicillin.
8. Write the structure for the followings :  
i) Salbutamol ii) Chloroquine iii) Warfarin iv) Benzathine penicillin  
v) Pseudoephedrine.
9. Write brief note on anti neoplastic drugs.
10. Define cephalosporins and classify them, and draw the structure of cephalexin and cephaloridine.