

**VINAYAKA MISSION'S RESEARCH FOUNDATION  
(Deemed to be University), SALEM  
DIPLOMA IN PHARMACY EXAMINATION –October 2021  
Second Year**

**PHARMACOLOGY AND TOXICOLOGY**

Time: Three hours

Maximum: 80 marks

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

1. Explain in detail about biotransformation (metabolism) of synthetic and non synthetic reactions.
2. Classify NSAID's and write the pharmacological actions and uses of aspirin.
3. Classify Local Anaesthetic and write the mechanism, pharmacokinetic and uses of any one drug.
4. Classify anticholinergic drugs and write the pharmacological actions of atropine.
5. Define cough and classify respiratory drugs. and explain about expectorant drugs.
6. Define hypertension. Classify anti-hypertensive drugs and write the mechanism of calcium channel blockers.
7. Classify anti-coagulant and explain about Heparin.
8. Explain about      a) Cotrimoxazole      b) Quinolones
9. Define leprosy and write the classification, mechanism and uses of antileprotic drugs.
10. Write the ADR and uses for the following drugs :
  - i) Diazepam      ii) Rabeprazole      iii) Captopril      iv) Metronidazole
  - v) Chloroquine

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