

**M.D. (SIDDHA) DEGREE EXAMINATION****SECOND YEAR****BRANCH I – MARUTHUVAM****PAPER II – INTRODUCTION TO PHARMACOLOGY WITH  
THERAPEUTIC EMPHASIS***Q.P. Code : 322119***Time: Three Hours****Maximum : 100 Marks****I. Elaborate on:****(2 x 20 = 40)**

1. Classify Antidiabetic agents and explain the pharmacological actions and discuss how anti diabetic drugs are evaluated?
2. Explain in detail about the mechanism of drug actions and outline the various factors affecting the actions of drugs.

**II. Short Notes:****(10 x 6 = 60)**

1. Write a short note on: a) Special drug delivery system  
b) Passive transfer.
2. Write an account on: a) First order kinetics  
b) Methods of prolongation of drug action.
3. Discuss briefly about: a) Side effects  
b) Intolerance c) Toxic effects.
4. Discuss about the clinical trials conducted to compare the therapeutic efficacy of a new drug with a placebo or existing drug.
5. Discuss any two experimental methods to evaluate the drugs used for anti-arrhythmia.
6. Explain any two experimental methods to evaluate the drug used for anti-ulcer.
7. Write a short note on: a) Preanaesthetic medication.  
b) Therapeutic window.
8. Discuss on the following apparatus: a) Rota-rod b) Electroconvulsimeter.
9. Write a short on: a) Primary screening of drugs  
b) Tail suspension test.
10. Write an account on: a) Central cough suppressants  
b) Antidiarrheal agents.