

[LE 350]

APRIL 2014

Sub. Code: 2911

**M.PHARM. DEGREE EXAMS
FIRST YEAR
BRANCH IV – PHARMACOLOGY
PAPER II – PHARMACOLOGY AND TOXICOLOGY**

Q.P. Code : 262911

Time : 3 hours

Maximum : 100 marks

I. Elaborate on :

(2x20=40)

1. a) Define the term biotransformation and explain phase II metabolic reactions.
b) Discuss the mechanism of metabolism induction and inhibition citing examples
2. Classify antibiotics based on their site of action with examples. Describe the mechanism of action, spectrum of activity and therapeutic use of cefuroxime. What is the use of clavulanic acids?

II. Write notes on :

(10x6=60)

1. Explain the influence of pH and partition coefficient on drug absorption.
2. Write the physiological role and consequences of deficiency of Superoxide Desmutase.
3. Classify skeletal muscle relaxants. Describe the mechanism of action of gallamine.
4. Classify drugs used in the treatment of bronchial asthma with example.
5. Explain about MAO inhibitors with example.
6. Write notes on mast cell stabilizers.
7. Describe angina pectoris and write short notes on vasodilators.
8. Describe about the action of HMG-Co A reductase inhibitors.
9. Describe the management of heavy metal poisoning.
10. Write notes on treatment of migraine.
