

[LH 350]

OCTOBER 2015

Sub. Code: 2911

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

Q.P. Code: 262911

Time : Three hours

Maximum : 100 marks

I. Elaborate on:

(2 x 20 = 40)

1. Classify antibiotics based on their site of action with examples. Describe the mechanism of action, spectrum of activity and therapeutic use of β – lactam antibiotics. What is the importance of β – lactamase inhibitor?
2. Define arrhythmias and mechanism of cardiac arrhythmia. Classify drugs used to treat arrhythmia. Explain the mechanism of action, pharmacological effects, therapeutic indications and toxicity of β blockers in arrhythmia.

II. Write notes on:

(10 x 6 = 60)

1. Explain the influence of pH and partition coefficient on drug absorption.
2. Describe the Bioavailability and Bioequivalence of drugs.
3. Explain the Drug-drug interactions.
4. Role of neurotransmitters in various disorders.
5. Explain the Myasthenia gravis and its treatment.
6. Classify sedative and hypnotics. Explain pharmacology of Benzodiazepines.
7. Write a note on Histamine and explain about H_1 antagonists.
8. Discuss detail about treatment of Migraine.
9. Write about Therapeutic drugs monitoring of Digoxin.
10. Explain the role of Free radicals in pharmacology.
