

[LL 350]

OCTOBER 2017

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 uses of Macrolide antibiotics.
2. Define Bio-availability. Explain the various factors affecting bio-availability. Describe the importance of bio-availability studies.

II. Write notes on:

(10 x 6 = 60)

1. Cytochrome p-450 enzyme system.
2. General aspects of receptor pharmacology.
3. Histamine and H₁ antagonists.
4. Angiotensin Converting Enzyme (ACE) inhibitors.
5. Management of heavy metal poisoning.
6. Pro-kinetic agents.
7. Eicosanoides.
8. Synthesis and degradation of catecholamines.
9. Opioid peptides and receptors.
10. Pharmacology of lithium carbonate.
