

[LG 350]

APRIL 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. a) Define the term biotransformation and explain phase I metabolic reactions.
b) Discuss the mechanism of induction and inhibition of drug metabolism.
2. a) What is catecholamine? Discuss the systemic pharmacology of Epinephrine.
b) Explain the drug treatment of glaucoma.
c) Write a note on cholinesterase inhibitors.

II. Write notes on:

(10 x 6 = 60)

1. Explain the plasma protein binding and its pharmacological importance.
2. What are the general aspects of receptor pharmacology?
3. Explain the role of excitatory neurotransmitter in the synaptic transmission.
4. What is mania? Explain the pharmacology of lithium carbonate.
5. Outline the four classes of hypersensitive reactions.
6. Explain the effect of Haematinics in blood constituents.
7. Explain the insulin importance in Diabetes.
8. Write a note on Cephalosporins.
9. Describe the regulatory bodies in clinical pharmacology.
10. Explain about Eicosanoides
