

[LD 350]

OCTOBER 2013
M.PHARM. DEGREE EXAMS
FIRST YEAR
BRANCH IV – PHARMACOLOGY
PAPER II – PHARMACOLOGY AND TOXICOLOGY
Q.P. Code : 262911

Sub. Code: 2911

Time : 3 hours

Maximum : 100 marks

I. Elaborate on :

(2x20=40)

1. Explain the general principles of neurotransmission. Describe the steps involved in cholinergic neurotransmission and discuss about the various drugs affecting the same.
2. a) Describe the insulin receptor and discuss the mechanism of action of insulin.
b) Classify oral hypoglycaemic agents. Explain the pharmacology of insulin secretagogues.

II. Write notes on :

(10x6=60)

1. Cytochrome P 450 enzyme system.
2. Drug-drug interactions.
3. Clonidine.
4. Opioid peptides.
5. Anti-emetic drugs.
6. Mechanism and therapeutic uses of benzodiazepines.
7. Oral anticoagulants.
8. Class II antiarrhythmic agents.
9. Mechanisms involved in tachyphylaxis.
10. Clinical trial designs.
