

[LI 350]

APRIL 2016

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. Explain the principle in the Drug action and explain about the different types of Receptors with examples.
2. Classify Anti Hypertensive drug and explain the role of Renin-Angiotensin-Aldosterone in regulating the blood pressure.

II. Write notes on:

(10 x 6 = 60)

1. Role of CYP450 family enzymes in the drug metabolism.
2. Explain the Mechanism action and adverse drug reaction of anti metabolites and natural alkaloids.
3. Classify α -adrenergic blocking agents and explain the pharmacological action of the same.
4. Explain Pharmacology of selective Estrogen Receptor modulating agents.
5. Classify anti ulcer drug and explain the mechanism of proton pump inhibitor.
6. Write the treatment procedure for Organophosphorus poisoning.
7. Explain the Pharmacological action of Calcineurin inhibitors.
8. Write the Pharmacological property of Platelet-activating factors.
9. Explain the mechanism of action, uses and adverse drug reaction of Hydantoins.
10. Types of food-drug interactions.
