

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[LM 810]

MAY 2018

Sub. Code: 3810

**PHARM. D DEGREE EXAMINATION
(2009-2010 Regulation)
SECOND YEAR
PAPER IV - PHARMACOLOGY – I**

Q.P. Code: 383810

Time : Three hours

Maximum : 70 Marks

I. Elaborate on:

(4 x 10 = 40)

1. Explain the synthesis, release, mechanism of action, pharmacological actions of various preparations of Insulin.
2. Classify Anti-hypertensive agents according to their sites of action. Explain the mechanism of action, pharmacological actions, adverse effects and therapeutic uses of calcium channel blockers.
3. Classify Anti-cholinergic agents. Explain the mechanism of action, pharmacological actions, adverse effects and therapeutic uses of any one drug.
4. Classify drugs used in treatment Parkinsonism. Explain the actions of levodopa and its combination with carbidopa.

II. Write notes on:

(6 x 5 = 30)

1. Pre-clinical evaluations of new drugs.
2. Explain the mechanism of action and pharmacological actions of drugs acting on GABA receptors.
3. Classify Anti-dyslipidaemic agents. Explain about bile acid sequestrants.
4. Discuss about histaminergic receptor antagonists.
5. Explain about the pharmacology of oxytocin.
6. What are Anti-tussives? Classify and explain their pharmacology.
