

QP Code: 107328

Reg No:

First Year M.Pharm Degree Examinations July 2015

(Pharmacology)

Paper III – Recent Advances in Pharmacology

Time: 3 hrs

Maximum Marks: 100

- *Answer all questions*
- *Draw diagrams wherever necessary*

Essays: (2x20 =40)

1. Name the receptors that can be activated by excitatory amino acids and mention its cellular signaling. Explain the pharmacological actions of an agonist acting at glutamate receptor.
2. State the physiological functions, pathways and pharmacological activity of peroxisome proliferators activator receptor protein.

Short Essays: (6x10=60)

3. Clinical applications of gene therapy / oligo nucleotide therapy
4. Explain different types of hypersensitivity reactions.
5. State the ethical issues related to stem cell research / human cloning
6. Discuss the pharmacological actions and functions of calcium channel
7. Explain the mechanism of action, indications and side effects of protease inhibitors.
8. What are essential drugs and how it has been classified. Name the regulatory authorities and its function related to essential drugs selection. What is CDSCO.
