

QP Code: 107328

Reg No:

First Year M.Pharm Degree Supplementary Examinations November 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. What are ion channel receptors and list out their therapeutic importance. Discuss the transduction pathway of sodium, chloride and calcium ion channels.
2. Discuss in details about current concept in tissue transplantation and delayed hyper sensitivity

Short Essays:

(6x10=60)

3. Explain the following receptors: • Cannabinoid receptors • Excitatory amino acid receptors
4. Explain the basic principles of specific and non-specific immunity. Add a note on control of immune response.
5. Discuss the ethical issues related to foeticide and surrogated parenthood.
6. Explain the pharmacokinetics and pharmacodynamics of peptides and protein drugs.
7. Discuss the potentials of stem cells in various diseases. Add a note on biology of stem cells.
8. Explain the clinical potentials of gene therapy and gene transfer technologies
