

QP Code: 107328

Reg No:

First Year M.Pharm Degree Examinations– September 2014

(2011 Scheme)

(Pharmacology)

Paper III – Recent Advances in Pharmacology

Time: 3 hrs

Maximum Marks: 100

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

Essays:

(2x20 =40)

1. State the physiological functions, pathways and pharmacological activity of protein kinase protein.
2. Which receptors are activated by adrenaline. Explain the signal transduction response of adrenergic receptors. State the pharmacological actions of adrenaline

Short Essays:

(6x10=60)

3. Explain various force involved in drug receptor interactions with suitable example.
4. Explain the stem cells therapeutic potentials in Parkinson's disease and thalassemia.
5. How free radicals are generated. Name the drugs used as antioxidants and mention its therapeutic uses.
6. What are anti sense agents and mention its therapeutic uses with example
7. Explain the regulatory requirement to market nutraceuticals
8. Describe the various reasons for irrational drug use
