

QP Code: 106328

Reg No:

First Year M.Pharm Degree Examinations- February 2013

(2011 Admn- New Scheme)

(Pharmacology)

Paper II- Biochemical and Molecular Pharmacology

Time: 3 hrs

Maximum Marks: 100

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

Essays:

(2x20 =40)

1. Mention the physiological, pharmacological and therapeutic potentials of apoptosis. Explain the mechanism of necrosis and mediators of inflammation.
2. Discuss in detail : • Molecular basis of mutation • Regulation of gene activity in prokaryotes.

Short Essays:

(6x10=60)

3. Discuss the pathophysiology of cancer and cystic fibrosis
4. Explain the genetic recombination and gene transfer.
5. Discuss: • Substance P • Cholecystokinin.
6. Discuss the pharmacology and therapeutic potential of immune toxins. Explain the theories of aging.
7. Describe the principles and applications of gene analysis
8. Discuss the gene sequencing and mutation.
