

QP Code: 3282

Reg No:

M Pharm Part I Degree Examinations - June 2012

(Pharmacology)

Paper II - Biochemical and Molecular Pharmacology

Time: 3 hrs

Maximum Marks: 100

- Answer all questions
- Draw diagrams wherever necessary

Essays:

(2x20=40)

1. Describe in detail : • Endogenous bioactive molecules • CGRP (Calcitonin gene related peptide)
2. Explain : • Arachidonic acid metabolites • Antioxidants and their therapeutic applications

Short Essays:

(6x10=60)

3. Explain : • Various enzymes involved in phase-II reactions • Pharmacogenomics
4. Discuss : • Molecular basis of mutation • Gene rearrangement
5. Discuss • Pathophysiology of cancer • Current methods for treatment of genetic disorders
6. Explain: • Gene therapy in AIDS • Gene transfer mechanisms
7. Discuss : • Cloning techniques • Application of recombinant DNA technology
8. Discuss: • Theories of ageing • Therapeutic potential of immunotoxins
