

QP Code: 106328

Reg No: .....

First Year M.Pharm Degree Supplementary Examinations– March 2014

(2011 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. Explain the genetic malfunctioning, pathology and molecular alterations of Alzheimer's disease
2. Explain the biochemical modification and pathophysiology of cancer.

**Short Essays:** (6x10=60)

3. Explain the chronic inflammatory pathway.
4. Discuss transduction and immuno toxins.
5. Explain the initial phase of cell injury.
6. What are cell adhesion molecules. Explain its pathological role.
7. Explain one method to isolate RNA/DNA. Add a note on PCR.
8. Explain the terms briefly :
  - Pharmacogenetics
  - Operons
  - Exon
  - Plasmid

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