

Total No. of Questions : 4]

SEAT No. :

P3979

[Total No. of Pages : 1

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M.Pharmacy (Semester - II) (Spl. Pharmacology)

MOLECULAR PHARMACOLOGY

(2013 Pattern) (Credit System)

Time : 3 Hours]

[Max. Marks : 50

Instructions to the candidates :

- 1) Question number one is compulsory.
- 2) Figures to the right indicate full marks.
- 3) Draw well labeled diagrams wherever necessary.

**Q1)** Explain the process of Apoptosis with its clinical implications. [10]

**Q2)** Answer the following (any three) : [15]

- a) Write a note on Calcium and calcium binding proteins
- b) Explain the concept of Human Genome Mapping.
- c) What are monoclonal antibodies? Explain their clinical significance.
- d) Explain the therapeutic applications of antioxidants.

**Q3)** Write a note on following (any three) : [15]

- a) Nitric oxide and endothelin modulators.
- b) Adrenoreceptors
- c) Neurosteroids and their modulators
- d) RT-PCR

**Q4)** Discuss the recent advances in drugs acting on angiotensin receptors. [10]

OR

What are various techniques used in molecular pharmacology? Explain the Radioimmunoassays. [10]

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