

Total No. of Questions : 4]

SEAT No. :

P3970

[Total No. of Pages : 1

[5246]-105

M. Pharmacy (Semester - I)
ADVANCED PHARMACOLOGY
Preclinical Evaluation of Drugs
(2013 Pattern)

Time : 3 Hours]

[Max. Marks : 50

Instructions to the candidates :

- 1) *Question No. 1 is compulsory.*
- 2) *Figures to the right indicates full marks.*
- 3) *Draw well labeled diagrams wherever necessary.*

Q1) Discuss in brief about objective, composition, functions of IAEC as per CPCSEA guidelines. Write a note on proforma-B animal experimentation. **[10]**

Q2) Solve any three **[15]**

- a) Discuss LIPSCHITZ test and saluretic activity in rats.
- b) Write preclinical screening methods for hypoglycemic activity.
- c) Write the methods for screening of peripheral analgesic activity.
- d) Discuss any two screening methods for hypertension.

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

- a) Screening of muscle relaxants.
- b) Transgenic and Knockout animals in research.
- c) Preclinical methods for screening of anti-ulcers activity.
- d) Types of ELISA with advantages and disadvantages.

Q4) Explain in brief various in vivo screening methods for inflammation. **[10]**

OR

Define depression. Write the various methods used for the screening of antidepressant drugs.

