

## www.FirstRanker.comational www.FirstRanker.com

10

# **PHARMACOLOGY**

#### PAPER-III

Time: 3 hours PHARM/J/19/34/III

Max. Marks:100

### **Important Instructions:**

- Attempt all questions in order.
- Each question carries 10 marks.
- Read the question carefully and answer to the point neatly and legibly.
- Do not leave any blank pages between two answers.
- Indicate the question number correctly for the answer in the margin space.
- Answer all the parts of a single question together.
- Start the answer to a question on a fresh page or leave adequate space between two answers.
- Draw table/diagrams/flowcharts wherever appropriate.

## Write short notes on:

1

1.	Discuss the applications of immunology for assay of drugs with suitable examples.	10
2.	Transgenic animals in pharmacological studies.	10
3.	Describe various methods for evaluation of drugs potentially useful for treatment of peptic ulcer.	10
4.	<ul><li>a) Probit analysis.</li><li>b) Kaplan Meier survival analysis.</li></ul>	5+5
5.	Principles of bioassay and its application.	7+3
6.	Discuss briefly advantages and limitations of animal testing of drugs.	5+5
7.	Calculation of human equivalent dose from animal studies.	10
8.	Role of artificial intelligence in research with examples.	10
9.	What is Metaanalysis? Discuss its usefulness and limitations in research.	4+(3+3)
10.	Discuss the experimental evaluation methods for a potential antidepressant drug.	10

\*\*\*\*\*