

**PG Degree Regular/Supplementary Examinations in Pharmacology
(MD) January 2025**

Paper III - Experimental Pharmacology, Bioassay and Statistics

Time: 3 hrs

Max marks:100

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw table/diagrams/flow charts wherever necessary*

Essay:

(20)

1. Describe the various preclinical experimental methods to evaluate the potential antifertility activity of a new chemical entity.

Short essays:

(8x10=80)

2. Alternatives to animal experiments.
3. Acute toxicity studies.
4. Techniques of collecting blood samples in animals.
5. Chi-square test.
6. CPCSEA.
7. Radioimmunoassay.
8. Sample size calculation.
9. Frog as an experimental animal.
