

QP Code:103112

Reg. No.:.....

**PG Degree Supplementary Examinations in Pharmacology (MD)
April 2026**

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 antidiabetic activity of a new chemical entity.

Short essays:

(8x10=80)

2. Transgenic animals in research.
3. Repeated dose toxicity studies.
4. Institutional animal ethics committee.
5. Students t-test.
6. ELISA.
7. Animal handling techniques.
8. Euthanasia in small animal research.
9. Odds ratio and confidence interval.
