

QP Code:103112

Reg. No.:.....

**PG Degree Regular/Supplementary Examinations in Pharmacology
(MD) November 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. Briefly describe bioassay, bioassay methods and details of acetylcholine bioassay. Add a note on dose response curve

Short essays:

(8x10=80)

2. Institutional animal ethics committee – Composition and functions
3. Screening methods for anti-fertility drugs
4. ANOVA
5. Transgenic animals
6. High-Performance Liquid Chromatography (HPLC)
7. Recombinant DNA technology in drug development
8. Animal toxicity studies
9. Regression and correlation analysis in medical research
