

QP Code:103112

Reg. No.:.....

**PG Degree Supplementary Examinations in Pharmacology (MD)
November 2022**

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 antipsychotic activity of a new chemical entity.

Short essays:

(8x10=80)

2. Rabbit as an experimental animal.
3. Analysis of Variance.
4. Blood collection methods in experimental animals.
5. Acute toxicity studies in animals.
6. Sample size calculation for a research proposal.
7. Measures of central tendency.
8. Induction of diabetes mellitus in experimental animals.
9. Current status of bioassay.
