

QP Code:103112

Reg. No.:.....

**PG Degree Regular/Supplementary Examinations in Pharmacology
(MD) June 2024**

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 antidepressant activity of a new chemical entity.

Short essays:

(8x10=80)

2. Guinea pig as an experimental animal.
3. Non-parametric tests.
4. Euthanasia of the experimental animals.
5. Statistical analysis softwares in pharmacological research.
6. Systemic toxicity studies in animals.
7. Animal models for the screening of antihyperglycemic activity.
8. Composition, functions and registration of institutional animal ethics committee.
9. Principles of bioassay.
