

PG Degree Supplementary Examinations in Pharmacology (MD)
July 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. High – throughput screening in drug discovery

Short essays:

(8x10=80)

2. Principles of 4Rs in animal research
3. Common laboratory animals
4. Nonparametric tests
5. Screening methods involved in the evaluation of anti-inflammatory action of drugs
6. Principles of Radioimmunoassay
7. Drug scheduling of controlled substances
8. Explain pharmacometrics and its use in drug development
9. Composition of Institutional ethics committee and their functions
