

QP Code:104112

Reg. No.:.....

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

Paper IV - Clinical Pharmacology and Recent Advances

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 principles and practice of Therapeutic Drug Monitoring (TDM). Explain the criteria for selecting drugs for TDM and describe its role in optimizing therapy in special populations

Short essays:

(8x10=80)

2. Explain the principles of cost-benefit analysis and its role in Pharmacoeconomics
3. Role and ethical considerations of placebo use in clinical trials
4. Sources of drug Information
5. Bias in clinical trials and methods to minimize it
6. Good Clinical Practice (GCP) and its importance in clinical research
7. Post-trial access and post-trial obligations of sponsors as per Indian guidelines
8. Off label use of drugs
9. Clinical pharmacologists in hospital and outpatient settings
