

QP Code:104103

Reg. No.:.....

**PG Degree Regular/Supplementary Examinations in Biochemistry
(MD) January 2025**

Paper IV - Clinical Biochemistry & Endocrinology

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. Discuss how the internal and external quality programmes enable to maintain the required precision and accuracy in a clinical chemistry laboratory.

Short essays: (8x10=80)

2. Organic acidurias and their laboratory diagnosis.
3. Point of care testing (POCT)—Latest developments, potentials, and challenges.
4. Laboratory diagnosis of Metabolic bone disease.
5. Malabsorption Syndromes and their laboratory diagnosis.
6. Glycogen storage diseases.
7. Gastrointestinal hormones.
8. Classification and laboratory investigations of Porphyria.
9. Laboratory diagnosis of cardiac dysfunction.
