

**QP Code:104103**

**Reg. No.:.....**

**PG Degree Supplementary Examinations in Biochemistry (MD)  
October 2019**

**Paper IV - Clinical Biochemistry & Endocrinology**

**Time: 3 hrs**

**Max marks:100**

- *Answer all questions*
- *Draw diagrams wherever necessary*

**Essay: (20)**

1. Discuss the role of the clinical laboratory in diabetes mellitus.

**Short essays: (8x10=80)**

2. Algorithm for differential diagnosis of hypernatremia
3. Principles of hemodialysis
4. What is metabolic syndrome and describe in detail on laboratory evaluation of metabolic syndrome
5. Automation in clinical laboratory
6. Mechanism of action of steroid hormones
7. Describe the tests performed to diagnose liver dysfunction.
8. Hypoglycemia
9. Laboratory investigations of amenorrhoea

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