

QP Code:104103

Reg. No.:.....

**PG Degree Supplementary Examinations in Biochemistry (MD)
October 2018**

Paper IV - Clinical Biochemistry & Endocrinology

Time: 3 hrs

Max marks:100

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

Essay:

(20)

1. Explain G-protein coupled receptors and their mechanism of action. Add a note on investigation for Addison's disease and Cushing's syndrome.

Short essays:

(8x10=80)

2. Frederickson's classification of dyslipoproteinemias
3. Biochemical changes in Alzheimer's disease.
4. Haemoglobin electrophoresis.
5. Laboratory diagnosis of cardiac dysfunction
6. Classification and laboratory investigation in porphyrias.
7. Biochemical test for diagnosis of hyperthyroidism.
8. Hyperosmolar non-ketotic coma.
9. Metabolic syndrome
