

QP Code:103103

Reg. No.:.....

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

Paper III – Nutrition and Metabolism

Time: 3 hrs

Max marks:100

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

Essay: (20)

1. Describe the metabolic alterations occurring in starvation. How do hormones help in adaptation during starvation.

Short essays: (8x10=80)

2. Iron metabolism.
3. Describe the regulation of intracellular cholesterol concentration and mention reverse transport of cholesterol.
4. Purine biosynthesis and add a note on gout.
5. Laboratory diagnosis of porphyrias
6. Phenylketonuria
7. Biological antioxidants
8. Sulphur containing vitamins
9. Metabolic profile of kidneys
