

QP Code:103103

Reg. No.:.....

**PG Degree Supplementary Examinations in Biochemistry (MD)
November 2022**

Paper III – Nutrition and Metabolism

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

Short essays:

(8x10=80)

2. Inborn errors of cysteine metabolism
3. Protein energy malnutrition
4. Regulation of serum calcium levels
5. Sulphur containing vitamins – examples, their active forms metabolic role and deficiency manifestations
6. Reverse cholesterol transport
7. Salvage pathways of nucleotide metabolism
8. Metabolism of Galactose
9. Components of respiratory chain
