

QP Code: 104383

Reg. No.....

**First Year M.Sc. MLT Degree Supplementary Examinations October 2021  
(Biochemistry)**

**Paper IV - General Physiology, Nutrition & Mineral 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*

Essays:

(10x10=100)

1. Discuss about the absorption of glucose.
2. What is BMR. Discuss the factors affecting BMR.
3. Role of glutathione in amino acid transport.
4. Discuss the generation of free radical in the body system
5. Explain oxygen dissociation curve with suitable diagram
6. Discuss the conditions related to protein energy malnutrition
7. Discuss the phase 1 reactions of detoxification with suitable examples.
8. Mention the storage forms of iron and discuss the regulation of iron absorption.
9. Mention the common name for coagulation factors and discuss about hemophilia.
10. What is the normal serum calcium level and discuss the factors regulating serum calcium level.

\*\*\*\*\*