

QP Code: 104383

Reg. No.....

**First Year M.Sc. MLT Degree Regular/Supplementary Examinations April 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. Explain the isohydric transport of CO₂.
2. Describe the phase II reactions of detoxification
3. Discuss the role of glutathione in free radical scavenging.
4. Calcium homeostasis
5. Discuss the important points to be considered for prescribing a diet
6. What is nitrogen balance. Mention the factors influencing nitrogen balance.
7. Mention the different types of thrombi. Discuss the extrinsic pathway of coagulation.
8. Mention the contractile proteins and discuss the chemistry of muscle contraction
9. Mention any two enzymes contain copper, zinc, iron, selenium and molybdenum
10. Discuss the digestion & absorption of lipids and add a note on abnormalities in absorption of lipids.
