

QP Code: 104383

Reg. No.....

**First Year M.Sc. MLT Degree Regular/Supplementary Examinations
August 2022
(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. Write in detail steps involved in digestion and absorption of lipids in our body.
2. Write in detail about blood coagulation factors. Add a note on coagulation disorder. (5+5)
3. What are free radicals. Explain the processes of removal of free radicals from our body. (5+5)
4. What is balanced diet. Prescribe balanced diet for a lactating woman. (3+7)
5. Write in detail about Iron absorption and metabolism. (5+5)
6. What are the factors involved in regulation of potassium level. Add a note on Hypokalemia. (5+5)
7. Write in detail steps involved in muscle contraction.
8. What is glycemic index. What is its significance in today's life.
9. Explain oxygen dissociation curve and factors affecting delivery of oxygen to tissues. (4+6)
10. Describe biochemical functions of copper. Add a note on Wilson's disease. (5+5)
