

QP Code: 104383

Reg. No.....

**First Year M.Sc. MLT Degree Examinations November 2018
(Biochemistry)**

Paper IV - General Physiology, Nutrition & Mineral Metabolism

Time: 3 hrs.

Max. marks: 100

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

Essays:

(10x10=100)

1. Discuss the digestion and absorption of proteins.
2. Depict the intrinsic pathway of coagulation and discuss.
3. Describe in detail about the transport of oxygen by hemoglobin.
4. What is balanced diet. Prescribe the diet for a pregnant woman.
5. Describe about cytochrome p450 enzyme system and discuss its role
6. What is the normal blood calcium level. List the functions of calcium.
7. The sequence of events in contraction and relaxation of skeletal muscle
8. Define SDA, respiratory quotient. Write the SDA & RQ of proteins, fats & carbohydrates.
9. Sodium dependent glucose transporters and the clinical applications.
10. What are free radicals. Give examples. How these molecules are generated in the body
