

QP Code: 104383

Reg. No.....

**First Year M.Sc. MLT Degree Regular/Supplementary Examinations
December 2019
(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. Explain the functions of calcium and phosphorus
2. Enumerate the functions of : • selenium • magnesium
3. Explain the normal serum levels of sodium and potassium. Mention the causes of hypokalemia and hyponatremia
4. Explain Wilson's disease and bronze diabetes
5. Describe digestion and absorption of proteins
6. Explain steatorrea and role of bile salts
7. Discuss the nutritional importance of proteins and carbohydrates
8. Explain fluorosis and importance of iodine
9. Describe the components of electron transport chain. Add a note on inhibitors of electron transport chain indicating their sites of action.
10. Explain the respiratory quotient and calorific value.
