

QP Code : 104383

Reg . No.....

**First Year M.Sc. MLT Degree Examinations – September 2016
(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 digestion and absorption of proteins
2. Mention the sources, recommended daily allowance and normal serum level of calcium. Explain any three functions (1+2+1+6)
3. Mention the calorific values of carbohydrates, fat and proteins .Explain respiratory quotient and specific dynamic action (3+4+3)
4. Explain the isohydric transport of carbon dioxide
5. Explain steatorrea and role of glutathione in detoxification (5+5)
6. Explain hemophilia A and functions of phosphorus (5+5)
7. Explain fluorosis, Menkey's disease and biochemical role of selenium (3+3+4)
8. What is balanced diet . Explain the diet in pregnancy (2+8)
9. Explain digestion of starch and glycemic index (5+5)
10. Explain the functions of magnesium, causes of hypocalcemia and superoxide dismutase (3+3+4)
