

QP Code : 103383

Reg . No.....

**First Year M.Sc. MLT Degree Supplementary Examinations – August 2013
(Biochemistry)**

PAPER – III VITAMINS AND HORMONES

Time : 3 hrs.

Max. marks : 100

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

Essays:

(10x10 = 100)

1. Outline the sources, recommended daily allowance , functions and deficiency manifestations of vitamin C
2. Explain the formation and physiological role of thyroid hormones
3. Explain the biochemical role of folic acid
4. Classify the hormones. Describe the mechanism of action of steroid hormones
5. Explain the coenzyme role of niacin with any four examples. Mention the deficiency manifestations of niacin
6. What are antioxidants . Explain the antioxidant action of vitamins E and A.
7. Explain the activation of vitamin D₃ in our body . Add a note on clinical manifestations of vitamin D deficiency
8. Explain the absorption of vitamin B₁₂ and explain the coenzyme role of vitamin B₁₂
9. Mention the metabolic derangements in diabetes mellitus, and criteria for diagnosis of diabetes mellitus as per WHO.
10. Explain : • Egg white injury • Co-enzyme role of pantothenic acid
