

QP Code : 103383

Reg . No.....

**First Year M.Sc. MLT Degree Examinations – October 2014
(Biochemistry)**

PAPER – III VITAMINS AND HORMONES

Time : 3 hrs.

Max. marks : 100

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

Essays:

(10x10 = 100)

1. Co-enzyme role of niacin.
2. Discuss the role of vitamin A in vision.
3. Describe the endocrine functions of pancreas.
4. Explain the role of hormones in bone formation.
5. Discuss the hormonal regulation of sodium and water balance.
6. Name the peptide hormones and discuss the insulin signaling pathway.
7. Discuss the source, daily requirement and biochemical role of vitamin E.
8. Name the sulphur containing vitamins and mention the coenzyme role in metabolism.
9. Enlist the causes of vitamin D deficiency and discuss about different types of rickets.
10. Name the hormones which act through intra cellular receptors. Discuss the biological effects of glucocorticoids
