

QP Code : 103383

Reg . No.....

**First Year M.Sc. MLT Degree Supplementary Examinations – June 2014
(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 A
2. Explain the physiological role of parathyroid hormone. Mention the causes and clinical abnormalities of hyperparathyroidism
3. Explain the biochemical role of pyridoxine
4. Name the hormone secreted from alpha cells of islets of Langerhans . Explain its mechanism of action and outline its actions.
5. Explain the biochemical role of vitamin K and add a note on vitamin K antagonists
6. Name the hormones secreted from adrenal medulla and explain its biological role.
7. Explain the coenzyme role of thiamine. Add a note on the manifestations of its deficiency.
8. Explain the biological role of oxytocin and diabetes insipidus
9. Explain the mechanism of action on insulin and male hypogonadism
10. Explain Grave's disease and cretinism
