

QP Code: 103383

Reg. No.....

**First Year M.Sc. MLT Degree Supplementary Examinations March 2024
(Biochemistry)**

Paper III - Vitamins and Hormones

Time: 3 hrs.

Max. marks: 100

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers*
- *Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw table/diagrams/flow charts wherever necessary*

Essays:

(10x10=100)

1. Explain the role of vitamin A in our body. Add a note on its deficiency manifestations. (4+6)
2. Write in detail about sources, biological functions, Recommended Daily Allowance (RDA) and deficiency manifestations of Niacin. (2+3+1+4)
3. What are the hormones secreted from Thyroid gland. Explain their biological functions. (4+6)
4. Biological functions and deficiency manifestations of Thiamine. (5+5)
5. Explain mechanism of action and functions of Insulin. (5+5)
6. Describe formation and functions of catecholamines. (5+5)
7. Discuss the biological functions and abnormalities related to male sex hormones. (5+5)
8. Write in detail the coenzyme functions and deficiency manifestations of folic acid. (5+5)
9. How secretion of hormones is regulated in our body.
10. Biological functions and deficiency manifestation of posterior pituitary hormones. (5+5)
