

QP Code: 103383

Reg. No.....

**First Year M.Sc. MLT Degree Regular/Supplementary Examinations April 2021  
(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 D in our body. Add a note on its deficiency manifestations
2. Write in detail about sources, biological functions, Recommended Daily Allowance (RDA) and deficiency manifestations of pyridoxine.
3. What are the hormones secreted from anterior pituitary gland. Explain their biological functions.
4. Biological functions and deficiency manifestations of parathyroid hormones.
5. Name the sulphur containing vitamins. Write in detail biological functions of any one of them.
6. What are the hormones secreted from adrenal medulla. What are their biological functions. Add a note on abnormalities related to them.
7. Discuss the biological functions and abnormalities related to female sex hormones.
8. Explain Hypothalamo-pituitary-thyroid axis. Add a note on abnormalities related to thyroid gland.
9. What are the hormones secreted from pancreas. Discuss biological functions of them.
10. Name vitamins with anti-oxidant property. How they act as anti-oxidants

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