

**VINAYAKA MISSION'S RESEARCH FOUNDATION, SALEM
(Deemed to be University)**

**M.Sc(MEDICAL LAB TECHNOLOGY) DEGREE EXAMINATION –
December 2021**

Second Year

**CLINICAL BIOCHEMISTRY, ENDOCRINOLOGY AND
NUTRITIONAL BIOCHEMISTRY**

Three Hours

Maximum: 100 marks

I. Write an Long essay on: (3 x 20 = 60)

1. Name the isoenzymes, functions and its significance.
Chemistry, synthesis biochemical functions and regulation of thyroid hormones. Short
2. notes on hypo and hyperthyroidism.
A) Dietary sources of essential fatty acids and its deficiency.
3. B) Dietary sources of essential amino acid, biological value and its deficiency.

II. Write short essay on : (4 x 10 = 40)

4. Clinical significance of enzymes. Write about cardiac marker and hepatic enzymes
5. Name the steroid hormones and its mechanism.
6. Write the functions of adrenal hormones.
7. Write the chemistry sources, RDA functions regulation and deficiency vitamin A.

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