

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

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

First Year

**GENERAL BIOCHEMISTRY, MEDICAL LABORATORY
TECHNOLOGY**

Three Hours

Maximum: 100 marks

I. Write an Long essay on:

(3 x 20 = 60)

1. Explain factors affecting enzyme activity.
2. Enumerate the gluconeogenic substrates and describe the reactions of gluconeogenesis.
3. Explain denovo synthesis of cholesterol and its regulation. Add a note on cholesterol lowering drugs. on ketosis.

II. Write short essay on :

(4 x 10 = 40)

4. Explain Rapaport Lubering Cycle along with its significance.
5. Discuss the biochemical functions, deficiency and manifestations of vitamin B3.
6. Describe the metabolism of potassium and manganese.
7. Chemiosmotic theory.

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