

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

**DIPLOMA IN MEDICAL LAB TECHNOLOGY
EXAMINATION - September 2021
First Year**

BIOCHEMISTRY - I

Time: Three hours

Maximum: 75 marks

I. Write an essay on any ONE of the following: (1 x 20 = 20)

1. Discuss the classification of vitamins and its functions.
2. Give an account of the structural configuration of phospholipids and its functions.

II. Write short notes on any TWO of the following: (2 x 10 = 20)

3. Write a note on P_H meter and colorimetry.
4. Write about the Isoenzymes with the clinical significance.
5. Write an detail about biological oxidation.
6. Structure and function of Polysaccharides and Monosaccharides.

III. Write short answers on any SEVEN of the following: (7 x 5 = 35)

7. Write a short notes on glycolipids.
8. Wilson's disease.
9. Cell and cell organelles.
10. Buffers.
11. Describe the vitamin E and it biological function.
12. Write a short note on type of minerals and function.
13. Describe uric acid and Importance.
14. Dehydration.
15. Write about short notes on osmosis.
16. Cell and Cell organelles.