

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

**DIPLOMA IN MEDICAL LAB TECHNOLOGY EXAMINATION  
August 2019  
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. Give an account of the structural configuration of monosaccharides, with special reference to glucose.
2. Discuss the organization of protein structure. Give an account of the determination of primary structure of protein

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

3. Structure and functions of prokaryotic and Eukaryotic cell with their difference
4. Describe the structure and functions of phospholipids.
5. Write an account of the various factors affecting enzyme activity.
6. Write an essay on the iron metabolism in the body.

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

7. Cell and cell organelles
8. Write short notes on Polysaccharides and glycosides
9. Write short notes glycolipids
10. Describe uric acid and importance
11. Enzyme inhibition
12. Tocopherol
13. Wilson's disease
14. Dehydration
15. Urine and its constituents
16. pH meter