

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

DIPLOMA IN MEDICAL LAB TECHNOLOGY EXAMINATION
February 2020
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. a) Explain the classification of enzymes.
- b) Write an account of the various factors affecting enzyme activity.
2. Explain about the blood collection, analysis and preservation of blood.

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

3. Give an account of the structure of monosaccharides.
4. Write an essay on nucleic acid.
5. Describe the vitamin A and its function.
6. Enumerate the classification of lipids in detail.

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

7. Function of Prokaryotic and Eukaryotic cell with their difference.
8. Tocopherol.
9. Classification of Carbohydrates.
10. Write about structure and function of glucose.
11. PH meter.
12. Buffers.
13. Enzyme inhibition.
14. Write about on Iron metabolism in the body.
15. Write short notes on phospholipids.
16. Urine and its constituents.