

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

**DIPLOMA IN MEDICAL LAB TECHNOLOGY
EXAMINATION - February 2020
Second Year
BIOCHEMISTRY – II**

Time: Three hours

Maximum: 75 marks

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

1. Write detailed note about the structure of Protein and its function.
2. Write about estimation of Alkaline phosphatase. Add a note on conditions in which abnormal ALP level.

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

3. Thyroid function test.
4. Radio immuno assay.
5. Beta oxidation of fatty acids.
6. Renal regulation of pH.

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

7. Gall stone analysis.
8. Alkaptonuria.
9. Regulation of gluconeogenesis.
10. Essential aminoacids and its function.
11. Functions cholesterol.
12. Osmolarity and Osmolality.
13. Structure of DNA.
14. Fructosuria.
15. Hyponatremia.
16. Write normal value for a) Creatinine b) Total protein c) Total bilirubin
d) TGL e) Lipase
