

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

**DIPLOMA IN MEDICAL LAB TECHNOLOGY EXAMINATION**

**August 2019**

**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. Explain in detail about preparation of patient, procedure, indication and contraindications of Glucose Tolerance Test. Add a note on abnormal pattern.
2. Write about estimation of cholesterol. Add a note on normal blood cholesterol level.

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

3. Liver function test.
4. ELISA.
5. Glycolysis.
6. Hemoglobin synthesis.

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

7. Reducing substances in urine.
8. Phenylketonuria.
9. Pancreatic function test.
10. CSF analysis.
11. Functions of protein.
12. Renal stone analysis.
13. Structure and functions of t- RNA.
14. Lactose intolerance.
15. Hyponatremia.
16. Write normal value for a) ALP b) Total protein c) Total cholesterol  
d) Sodium e) Amylase