

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

**DIPLOMA IN MEDICAL LAB TECHNOLOGY
EXAMINATION – September 2021
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 the principle, components and applications of colorimeter.
2. Explain in detail about glycolysis with energetics and regulation.

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

3. Electrophoresis.
4. Thyroid function test.
5. Write about structure of protein.
6. Renal regulation of pH.

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

7. Cystinuria.
8. Pancreatic function tests.
9. Digestion and absorption of lipids.
10. Essential aminoacids and its function.
11. Functions of vitamin C.
12. Osmolarity and Osmolality.
13. Cleaning and calibration of glassware.
14. CSF analysis.
15. Paper chromatography.
16. Structure and types of RNA
