

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

B.Sc. (MEDICAL LAB TECHNOLOGY) DEGREE 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. Write in detail about estimation of urea. Add a note on conditions in which abnormal urea level in blood.
2. Write in detail about regulation of blood glucose. Add a note on diabetes mellitus.

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

3. Structure of myoglobin.
4. Ketone body metabolism
5. Types of chromatography. Explain about paper chromatography.
6. Heme metabolism.

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

7. HbA1c
8. Regulation of blood calcium
9. Fructose metabolism
10. Hyperbilirubinemia
11. Hemoglobinopathies.
12. Prostaglandins
13. Acute phase proteins
14. Digestion and absorption of lipids
15. pH meter
16. Glycogen storage disease.
