

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

B.Sc. (MEDICAL LAB TECHNOLOGY) DEGREE 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 about estimation of Amylase. Add a note on conditions in which abnormal amylase level in blood.
2. Write in detail about Glycolysis. Add a note on its regulation, inhibitors and energetic.

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

3. Enzyme inhibition.
4. Ketone body metabolism.
5. Paper chromatography.
6. Regulation of Iron absorption and deficiency manifestations.

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

7. Reducing substances in urine.
8. Gout.
9. Sickle cell anemia.
10. Hyperbilirubinemia.
11. Functions of Vitamin B12.
12. Prostaglandins.
13. Electrolytes.
14. Functions of cholesterol.
15. pH meter.
16. Glycogen storage disease.
