

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

B.Sc. (MEDICAL LAB TECHNOLOGY) DEGREE EXAMINATION

August 2018

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. Describe in detail about glycolysis with flowchart. Add a note on energetics and regulation. Mention the inhibitors of the pathway.
2. Write in brief about source and function of ammonia. How ammonia is detoxified in the body? Add a note on transamination.

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

3. ELISA
4. Phenylketonuria and alkaptonuria
5. Thyroid function test
6. Tests to assess glomerular functions of the kidney

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

7. Gall stones
8. High energy compounds
9. Normal lipid profile
10. Differential diagnosis of jaundice
11. Composition of pancreatic juice
12. Cardiac biomarkers
13. Maple syrup urine disease
14. Sensitivity and specificity
15. Sick cell hemoglobin
16. Lactose intolerance