

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

B.Sc. (MEDICAL LAB TECHNOLOGY) DEGREE 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. Describe in detail about Beta oxidation of palmitic acid with regulation and energetic. Add a note on defects in fatty acid oxidation.
2. Write in detail about chemistry, source, RDA, biochemical functions, metabolism, deficiency manifestations and toxicity of Vitamin A.

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

3. Disorders of purine metabolism.
4. Electrophoresis.
5. Define enzyme. Write about factors affecting enzyme activity.
6. Regulation of blood calcium and phosphorus.

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

7. Composition of CSF.
8. C – reactive protein.
9. HbA1C.
10. Lab investigations to diagnose jaundice.
11. Regulation of heme synthesis.
12. Colorimeter.
13. Biochemical function of Vitamin C.
14. Immunoglobulin.
15. Protein energy malnutrition.
16. Fructosuria.