

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

B.Sc. (Allied Health Sciences) DEGREE EXAMINATION - March 2019
First Year

(Common to All)

BIOCHEMISTRY

Time: Three hours

Maximum: 75 marks

I. Write an essay on any ONE of the following: (1 x 20 = 20)

1. Give a detailed account on regulation of blood glucose at fasting and fed state. Mention the normal blood glucose level. Add a note on hypoglycemia.
2. Describe in detail about source, RDA, functions, metabolism, synthesis deficiency manifestations and toxicity of Vitamin D.

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

3. HDL and LDL metabolism.
4. Iron metabolism.
5. Enzyme classification and coenzymes.
6. Essential amino acid and fatty acid.

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

7. Immunoglobulin – structure, types and functions.
8. Protein energy malnutrition.
9. Glycated Hemoglobin.
10. Pancreatic hormones and their functions.
11. Lysosomes and peroxisomes.
12. Define pH and its normal range.
13. Neurotransmitters.
14. Lipid storage disease.
15. Glucose tolerance test.
16. Vitamin K cycle.