

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

**B.Sc. (ALLIED HEALTH SCIENCES) & M. Sc (Integrated Programs in
Cardiac Technology) DEGREE EXAMINATION**

August 2019

First Year

BIOCHEMISTRY

(Common to All)

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. Add a note on its regulation, inhibitors and energetics.
2. Write in detail about chemistry, source, RDA, biochemical functions, metabolism, deficiency manifestations and toxicity of Vitamin C.

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

3. Describe paper chromatography.
4. Classification of fatty acids and its function.
5. Pancreatic function test.
6. Structure of protein.

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

7. Structure of DNA.
8. Fluorosis.
9. Specimen collection.
10. Isoenzymes.
11. Classification of plasma proteins.
12. Plasma membrane.
13. Colorimeter.
14. Immunoglobulins.
15. Essential amino acids and its function.
16. Bile salts.