

**VINAYAKA MISSION'S RESEARCH FOUNDATION
(DEEMED TO BE UNIVERSITY), SALEM**

**B.PHARM. DEGREE EXAMINATION – JULY 2019
Second Semester**

BIOCHEMISTRY

Time : Three hours

Maximum: 75 marks

I. Write essays on any **TWO** questions: (2 x 10 = 20)

1. Explain the metabolic pathway of citric acid cycle and its significance.
2. Write the classification of amino acids with examples, and write a note of the properties of amino acids.
3. Briefly explain about enzyme inhibition with examples.

II. Write short answers on any **SEVEN** questions: (7 x 5 = 35)

4. Disorders of lipid metabolism.
5. HMP shunt
6. Nucleic acid
7. Concept of free energy
8. Formation of ketone bodies
9. Isoenzymes
10. Disaccharides
11. Conjugated proteins
12. Genetic code.

III. Write short notes on : (10 x 2 = 20)

13. Heme
14. Deamination
15. Starch
16. Hemolytic jaundice
17. Structure of cholesterol
18. Dopamine
19. Atherosclerosis
20. PUFA
21. Define glycolysis and glycogenesis
22. Give any two difference between DNA and RNA.
