

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

**B.PHARM. DEGREE EXAMINATION – October 2021
Second Semester**

BIOCHEMISTRY

Time : Three hours

Maximum: 75 marks

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

1. Explain the various types of enzyme inhibition with suitable examples.
2. Explain electron transport chain (ETC) and its mechanism.
3. Write a note on the different levels of organization of protein structure.

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

4. Jaundice.
5. Phenylketonuria.
6. Disorders of lipid metabolism.
7. Hyperuricemia.
8. DNA Replication.
9. Transamination.
10. Cholesterol.
11. Electron transport chain.
12. HMP Shunt.

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

13. Define gluconeogenesis and glycogenesis.
14. Vitamin D.
15. Racemic mixture and invert sugar.
16. Proteinuria.
17. Ketoacidosis.
18. Steroid hormones.
19. Creatinine.
20. Diabetes.
21. Sucrose.
22. Enzyme kinetics.
