

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

**B.Sc. (MEDICAL LAB TECHNOLOGY) DEGREE**  
**EXAMINATION – February 2020**

**Third Year**

**BIOCHEMISTRY - III**

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 inborn errors of amino acid metabolism with diagnosis and clinical significance.
2. Write about the process of transcription and its inhibitors. Add a note on post transcriptional modification.

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

3. Blood glucose regulation.
4. Thyroid function test.
5. Chylomicron and VLDL metabolism.
6. Enzyme inhibition.

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

7. Structure of DNA.
8. Clearance test.
9. DNA probe.
10. Gall stone analysis.
11. Gastric function test.
12. Gene therapy.
13. Galactosemia.
14. Tumor markers.
15. ELISA.
16. Maple syrup urine disease.

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