

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

**B.Sc (ALLIED HEALTH SCIENCES) & M.Sc (Integrated Program in  
Cardiac Technology) DEGREE EXAMINATION - September 2021**

**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. Use, care and maintenance, types of centrifuges.
2. Dalton's theory and properties of 'F' electrons.

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

3. Describe different types of pipetts.
4. Use, care and maintenance of water bath.
5. Definition and concept of acid base indicators.
6. Basic principles and estimation of electrolytes.

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

7. Calorific value
8. Vitamins
9. Immunoglobulin
10. Cuvettes
11. Different types of wash bottles.
12. Burettes
13. Salts – definition and classification.
14. Physical and chemical properties of Acids and bases.
15. Basic metabolic rate.
16. Flasks – different types.

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