

**First Year B.Sc Medical Microbiology & Medical Biochemistry Degree  
Supplementary Examinations June 2025**

**Paper III – General Biochemistry**

**(2016 Scheme)**

**(Common for both specialty)**

**Time: 3 Hrs**

**Max. Marks: 50**

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw table/diagrams/flow charts wherever necessary*

**Essays:**

**(2x10=20)**

1. Discuss dietary sources, recommended daily allowance, functions and deficiency manifestations of vitamin C. (1+1+4+4)
2. Describe the functions of Calcium and Phosphorous in the body. Add a note on trace elements. (5+5)

**Short Notes:**

**(2x5=10)**

3. Different types of RNA and their functions
4. Plasma proteins

**Answer briefly:**

**(10x2=20)**

5. Law of chemical equilibrium
6. Beriberi
7. Reducing property of carbohydrates
8. Mitochondria
9. Reverse osmosis
10. Different units used to express concentration in a laboratory
11. Uses of Ammonium sulphate in the laboratory
12. An example for amino acid decarboxylation
13. Lecithin
14. pH scale

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