

**Q.P. CODE: 113019**

**Reg. No: .....**

**First Year B.Sc Medical Microbiology & Medical Biochemistry Degree  
Regular/Supplementary Examinations March 2023**

**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. Classify carbohydrates. Add a note on polysaccharides.
2. Describe the dietary sources, daily requirements, functions and deficiency manifestations of Vitamin C.

**Short Notes:**

**(2x5=10)**

3. Structure of proteins.
4. Lipoproteins.

**Answer briefly:**

**(10x2=20)**

5. Structure of bio membranes.
6. Isoelectric pH.
7. Colloids.
8. Buffer capacity.
9. Acetic acid.
10. Biochemical functions of iron.
11. Ammonium sulphate.
12. Nucleosides.
13. Optimum temperature of enzyme.
14. Properties of ethanol as a solvent.

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