

Q.P. CODE: 113019

Reg. No:

**First Year B.Sc Medical Microbiology & Medical Biochemistry Degree
Supplementary Examinations September 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. Describe the dietary sources, daily requirements, functions and deficiency manifestations of Vitamin A.
2. Classify lipids. Add a note on phospholipids.

Short Notes:

(2x5=10)

3. Plasma proteins.
4. Differences between DNA and RNA.

Answer briefly:

(10x2=20)

5. Polysaccharides.
6. Donnan membrane equilibrium.
7. Henderson -Hasselbalch equation.
8. Biochemical functions of Calcium.
9. Properties of xylene as a solvent.
10. pK value of buffer.
11. Mitochondria.
12. Optimum pH of enzyme.
13. Functions of bio membranes.
14. Peptide bond.
