

Q.P. CODE: 113019

Reg. No:

**First Year B.Sc Medical Microbiology & Medical Biochemistry Degree
Regular/Supplementary Examinations June 2021 (August 2020)**

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, RDA, functions and deficiency manifestations of vitamin C.
2. Define lipids. Classify lipids giving suitable examples

Short Notes:

(2x5=10)

3. Plasma proteins and their functions.
4. Polysaccharides.

Answer briefly:

(10x2=20)

5. Essential amino acids.
6. Isoelectric pH and properties of proteins at isoelectric pH.
7. Nucleotides and their functions.
8. Wilsons disease.
9. Classify enzymes.
10. Bicarbonate buffer system
11. Zwitter ion
12. Watson Crick model of DNA.
13. Mitochondria
14. Functions and deficiency manifestations of niacin.
