

Q.P. CODE: 113019

Reg. No:

**First Year B.Sc Medical Microbiology & Medical Biochemistry Degree
Supplementary Examinations April 2020 (March 2021)**

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 carbohydrates. Classify carbohydrates with examples. List its important functions

Short Notes:

(2x5=10)

3. Draw and describe the fluid mosaic model of membrane.
4. Define and classify lipids with examples. Mention the functions of phospholipids

Answer briefly:

(10x2=20)

5. Differences between DNA & RNA
6. Classification of proteins based on their functions
7. Isoelectric pH
8. Define transamination. Mention its clinical significance.
9. Henderson-Hasselbalch's equation
10. Sketch and label the ultra-structure of nucleus.
11. Riboflavin
12. Biochemical role of vitamin E.
13. Diffusion
14. What are trace elements. Mention any two trace elements and their functions
