

Q.P. CODE: 113019

Reg. No:

**First Year B.Sc Medical Microbiology & Medical Biochemistry Degree
Supplementary Examinations December 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 sources, RDA, functions and deficiency manifestations of vitamin D.
2. Give an account of the structural organization of proteins

Short Notes:

(2x5=10)

3. What are lipoproteins. Classify lipoproteins. Explain their functions
4. Describe and draw the structure of Watson-Crick model of DNA

Answer briefly:

(10x2=20)

5. Define buffers. Name the buffers of body fluids.
6. Decarboxylation. Give two examples.
7. Osmosis.
8. Pellagra. Mention its clinical features.
9. Coenzymes.
10. Lysosomes
11. Anomers
12. Classify amino acids based on metabolism
13. Essential fatty acids and their functions
14. Specificity of enzymes
