

Q.P. CODE: 113019

Reg. No:

**First Year B.Sc Medical Microbiology & Medical Biochemistry Degree
Regular/Supplementary Examinations December 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, functions and deficiency manifestations of vitamin B₁
(Thiamine) (1+5+4)
2. Describe the classification of carbohydrates and add a note on properties of monosaccharides (5+5)

Short Notes:

(2x5=10)

3. Difference between DNA and RNA
4. Difference between Eukaryotic and Prokaryotic cell

Answer briefly:

(10x2=20)

5. Biochemical role of Vitamin K
6. Essential fatty acids
7. Chylomicron
8. Strong base
9. Molality
10. Golgi body
11. Name any two salts used in laboratory with their properties
12. Properties of acetone
13. Define non reducing sugar with an example
14. Zinc
