Reg. No. : ....

Name : ....

Third Semester B.Sc. Degree (CBCSS – Supplementary) Examination, November 2022
(2016-18 Admissions)
GENERAL COURSE IN MICROBIOLOGY
3A11 MCB : Biochemistry for Microbiology

Time : 3 Hours   Max. Marks : 40

SECTION – A

(Answer all the four questions.)

1. Milk sugar is _____

2. Name the RNA which usually contain the abnormal base pseudouridine.

3. Write down the Michaelis Menten equation.

4. Name the heterocyclic amino acid found in proteins.   (4×1=4)

SECTION – B

(Answer very briefly on any seven questions out of ten.)

Comment on the following :

5. Lecithin

6. Drug Addiction

7. Redox reactions

8. Epimers

9. Peptidoglycan

10. Nucleosomes

11. Principle of Electrophoresis

12. c-AMP

13. Pyruvate dehydrogenase

14. Non protein amino acids.   (7×2=14)

SECTION – C

(Answer **any four** questions out of six briefly.)

15. Measurement of pH of buffers.

16. Saturated and unsaturated fatty acids.

17. Competitive inhibition of enzymes.

18. Storage carbohydrates.

19. Peptide bond angles.

20. Structure of t-RNA.   (4×3=12)

SECTION – D

(Answer **any two** questions out of four.)

21. Give an account of different types of bonds in DNA.

22. Different types of classification of proteins with examples.

23. Ionisation of alanine at different pH.

24. TCA cycle and calculation of energy yield.   (2×5=10)