K17U 1975

Reg. No. : .....

Name : .....

III Semester B.Sc. Degree (CBCSS – Reg./Sup./Imp.) Examination, November 2017
(2014 Admn. Onwards)
GENERAL COURSE IN MICROBIOLOGY
3A11 MCB : Biochemistry for Microbiology

Time : 3 Hours Max. Marks : 40

SECTION – A

Answer **all** the **four** questions :

1. An example for a reducing disaccharide is _____.
2. _____ is the end product of aerobic glycolysis.
3. The enzyme that is most important in ammonia formation is _____.
4. The base that is specifically present in RNA alone is _____. **(4×1=4)**

SECTION – B

Answer very briefly on **any seven** questions out of 10 :

Comment on the following :

5. Michaelis - Menten equation.
6. Transamination.
7. Phospholipids.
8. Buffer solutions.
9. Importance of hydrogen bond in biomolecules.
10. Polysaccharides.

P.T.O.

11. Redox reactions.
12. Steroids.
13. Non-protein amino acids.
14. Cyclic Nucleotides.

(7×2=14)

SECTION – C

Answer **any four** questions out of six briefly :

15. Allosteric enzymes.
16. β-oxidation of fatty acids.
17. Drug addiction.
18. Models for enzyme action.
19. Urea cycle.
20. Denaturation of DNA.

(4×3=12)

SECTION – D

Answer **any two** questions out of four :

21. Describe the salient features of double helical structure of DNA.
22. Explain the different levels of structural organisation of proteins.
23. Briefly describe the different types of enzyme inhibition.
24. Discuss the classification of carbohydrates.

(2×5=10)

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