



**K21U 2095**

Reg. No. : .....

Name : .....

**III Semester B.Sc. Degree (CBCSS – Sup./Imp.) Examination, November 2021  
(2015 – 18 Admission)  
General Course in Microbiology  
3A11 MCB – BIOCHEMISTRY FOR MICROBIOLOGY**

Time : 3 Hours

Max. Marks : 40

**SECTION – A**

Answer **all** the four questions.

1. The number of carbon atoms in sedoheptulose is
2. Name a hallucinogen of abuse.
3. The only proteogenic amino acid which do not exhibit optical isomerism.
4. Name the alcohol present in triacylglycerol. **(4×1=4)**

**SECTION – B**

Answer very briefly on **any seven** questions out of ten.

Comment on the following.

5. Complementarity in DNA.
6. Nucleotide.
7. Saponification number.
8. Substrate level phosphorylation.
9. Ribonucleoproteins.
10. Specificity of enzymes.
11. Hydrogen bond.

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12. Phosphofructokinase I.
13. Anomerism.
14. Proline.

**(7×2=14)**

**SECTION – C**

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

15. Effect of substrate concentration on velocity of enzyme catalysed reactions.
16. Alpha helix in proteins.
17. Difference between addiction and dependence.
18. Mutarotation.
19. Difference between DNA and RNA.
20. Functions of cholesterol.

**(4×3=12)**

**SECTION – D**

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

21. Classification of phospholipids.
22. Urea cycle and its significance.
23. Explain different modes of enzyme regulation.
24. Briefly describe of beta oxidation.

**(2×5=10)**

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