



K15U 0211

Reg. No. : SP14CM107.....

Name : Parvathy Raghunath.....

Third Semester B.Sc. Degree (CCSS – 2014 Admn. Regular)
Examination, November 2015
GENERAL COURSE IN MICROBIOLOGY
3A11 MCB : Biochemistry for Microbiology

Time : 3 Hours

Max. Marks : 40

SECTION – A

(Answer all the questions. Fill in the blanks) :

1. The most important buffer system regulating blood pH is _____
2. The α - and β -forms of D-glucose are referred to as _____
3. The place at which substrate binds with enzyme is _____
4. The G-C base pair is more stable and stronger than A-T pair due to _____ (4x1=4)

SECTION – B

(Write notes on any seven questions out of ten) :

5. Allosteric enzymes.
6. Zwitter ion.
7. Secondary structures in proteins.
8. Implications of drug abuse.
9. Inversion of cane sugar.
10. Functions of lipids.
11. Importance of hydrogen bond in living systems.
12. Salient features of DNA double helix.
13. Principle of electrophoresis.
14. Glycoproteins with examples.

(7x2=14)

P.T.O.

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SECTION - C

(Briefly explain **any four** questions out of six) :

15. Transamination.
16. Significance of Michaelis Menten constant.
17. CAMP.
18. Difference between starch and cellulose.
19. Lipoproteins.
20. Enzyme specificity.

(4×3=12)

SECTION - D

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

21. Briefly explain classification of amino acids.
22. Discuss the different classes of RNA.
23. Describe Krebs cycle.
24. How are fatty acids synthesised ?

(2×5=10)

(7×2=14)

P.T.O.