



3006

K18U 1907

Reg. No. :

Name :

III Semester B.Sc. Degree (CBCSS – Reg./Sup./Imp.)
Examination, November 2018
(2014 Admn. Onwards)
General Course in Microbiology
3A11MCB : BIOCHEMISTRY FOR MICROBIOLOGY

Time : 3 Hours

Max. Marks : 40

SECTION – A

Answer **all** the **four** questions.

1. The RNA that serves as an adapter molecule during protein synthesis is
2. The most abundant type of antibody is
3. The type of lipids which constitute the plasma membrane are
4. An example for aromatic amino acid is

(4x1=4)

SECTION – B

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

Comment on the following.

5. Denaturation of DNA
6. Reducing sugars
7. Immunoglobulins
8. Mechanism of enzyme action
9. Cyclic nucleotides
10. Waxes
11. Transamination

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12. Disaccharides

13. pH

14. Importance of K_m .

(7×2=14)

SECTION - C

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

15. Functions of proteins.

16. Biological buffers.

17. Allosteric enzymes.

18. Electrophoresis.

19. β -oxidation of fatty acids.

20. Structure of starch.

(4×3=12)

SECTION - D

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

21. Explain glycolysis.

22. Structure of biological membranes.

23. Explain Kreb's cycle.

24. Discuss classification of amino acids.

(2×5=10)