



K17U 1043

Reg. No. : .....

Name : .....

II Semester B.Sc. Degree (C.B.C.S.S. – Reg./Supple./Imp.)  
Examination, May 2017  
CORE COURSE IN MICROBIOLOGY  
2B02 MCB : Microbial Taxonomy  
(2014 Admn. Onwards)

Time : 3 Hours

Max. Marks : 40

SECTION – A

Answer **all** questions. Each question carries 1 mark.

(4×1=4)

1. The particles lined on the thylakoid membranes of cyanobacteria that contain photosynthetic pigments and electron transport chain components are called phycobesosomes
2. The genetic material of TMV is SS RNA
3. The membranes of Archae contain ether-linked, branched, aliphatic lipids.
4. Hyphomicrobium is an aerobic, budding, aquatic bacteria found attached to solid objects with prostheca.

SECTION – B

Answer **any seven** of the following in **two** or **three** sentences. Each carries 2 marks.

(7×2=14)

5. Morphovars.
6. Aplanospores.
7. Diatoms.
8. Zooflagellates.
9. Molar G+C%

P.T.O.

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10. Type strain.
11. Viroids.
12. Chromista.
13. Methanogens.
14. Stromatolite.

*eukaryotic algae with chlorophyll a & c*

SECTION - C

Answer **any four** of the following. **Each** question carries **3** marks.

(4×3=12)

Write short notes on :

15. Phylum ciliophora.
16. Bacteriophage.
17. Actinomycetes.
18. Red Algae.
19. Three kingdom classification.
20. Morphological classification of bacteria.

SECTION - D

Answer **any two** of the following. **Each** question carries **5** marks.

(2×5=10)

Write essays on :

21. Define Taxonomy. Write a note on phylogenetic system of classification.
22. Classify viruses based on their genetic material. Add a note on reproduction of each group of virus.
23. What are the major divisions of fungi based on reproductive mechanisms ? Write a note on each divisions.
24. Write short notes on major classes grouped under Proteobacteria.