

C.U.SHAH UNIVERSITY

Wadhwan City

Subject Code : 4LS01MB02

Summer Examination-2014

Date: 07/06/2014

Subject Name : Microbial Diversity and Taxonomy

Branch/Semester:-B.Sc(Micro)/I

Time:10:30 To 1:00

Examination : Remedial

Instructions:-

- (1) Attempt all Questions of both sections in same answer book / Supplementary
- (2) Use of Programmable calculator & any other electronic instrument is prohibited.
- (3) Instructions written on main answer Book are strictly to be obeyed.
- (4) Draw neat diagrams & figures (If necessary) at right places
- (5) Assume suitable & Perfect data if needed

SECTION-I**Q.1 Give the short answer of following Questions** 7

1. Who observed the First Microorganism? 1
2. Define Term- Bacterial Strain 1
3. Give the names of classification system for Bacteria. 1
4. Give name of phylum of Domain Archea. 1
5. Define term Taxonomy. 1
6. Define term – Microbiology. 1
7. Define term – diversity. 1

Q.2 A. Explain nomenclature of bacteria. 5

- B. Explain General Characteristics of 1) Aerobic rods and cocci 5
- 2) Aerobic , microaerophilic motile, helical, vibroid 5
- C. Define term Aerobic and Anaerobic. 4

OR

- Q.2 A. Write Brief note on phototrophic bacteria. 5
- B. Draw the shapes of rods and cocci. 5
- C. Explain numerical taxonomy. 4
- Q.3 A. Write note on Concept of phylogenetic analysis. 7
- B. Give general introduction of archea. 7

OR

- Q.3 A. Enlist general features of Endospore forming rods and cocci. 7
- B. Write note on Mycobacteria. 7

SECTION-II**Q.4 Give short answer of following Question.** 7

1. Write any two names of Fungi from class deuteromycetes. 1
2. Who discovered the name Bacteriophage? 1
3. Write names of algal pigments. 1
4. Which are the locomotory organs of protozoa? 1
5. Define term- Viruses. 1
6. Write Full form of TMV 1
7. Define-Bacteriophage. 1

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- Q.5 A. Write note on Morphology of algae. 5
B. Discuss the importance of Protozoa. 5
C. Explain Morphology of fungi. 4

OR

- Q.5 A. Write note on Morphological structure of Virus 5
B. Discuss the asexual reproduction in fungi. 5
C. Explain cultivation of virus. 4

- Q.6 A. Write brief note on economic importance of Algae. 7
B. Write brief note on sexual reproduction in fungi. 7

OR

- Q.6 A. Write short note on lysogenic cycle. 7
B. Write note on reproduction of Algae. 7

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