

Enrollment No: _____

Exam Seat No: _____

C. U. SHAH UNIVERSITY

Winter Examination-2022

Subject Name : Introduction to Microbiology and Microbial Diversity

Subject Code : 4SC01IMD1

Branch: B.Sc. (Microbiology)

Semester: 1

Date: 09/01/2023

Time: 11:00 To 02:00

Marks: 70

Instructions:

- (1) Use of Programmable calculator & any other electronic instrument is prohibited.
- (2) Instructions written on main answer book are strictly to be obeyed.
- (3) Draw neat diagrams and figures (if necessary) at right places.
- (4) Assume suitable data if needed.

| | | |
|------------|---|-------------|
| Q-1 | Attempt the following questions: | (14) |
| | a) Define : Abiogenesis | 01 |
| | b) Who gave Germ theory of disease? | 01 |
| | c) Define a Mycotoxin. | 01 |
| | d) What are viroids? | 01 |
| | e) Who is a father of microbiology? | 01 |
| | f) Give any two examples of Gram-positive bacteria. | 01 |
| | g) Who proposed the five kingdoms Classification? | 01 |
| | h) Write any two characteristics of Virus. | 01 |
| | i) Define a Prokaryotic organism with example. | 01 |
| | j) Give any two examples of acellular Microorganisms. | 01 |
| | k) What is a difference between Septate and Aseptate Fungi. | 01 |
| | l) Give a example of Unicellular algae. | 01 |
| | m) Give any two examples of Cellular Microorganisms. | 01 |
| | n) Define Saprobes. | 01 |

Attempt any four questions from Q-2 to Q-8

| | | |
|------------|---|-------------|
| Q-2 | Attempt all questions | (14) |
| A | Write about a Whittaker's five kingdom classification. | 07 |
| B | Write any seven differences between Prokaryotic and Eukaryotic organisms. | 07 |
| Q-3 | Attempt all questions | (14) |
| A | Write a detailed note on contribution of Anton von Leeuwenhoek. | 07 |
| B | Write about a Sexual and Asexual reproduction of fungi. | 07 |
| Q-4 | Attempt all questions | (14) |
| A | Write a difference between Gram positive and Gram-negative bacteria. | 07 |
| B | Write a note on contribution of Louis Pasteur. | 07 |



- Q-5** **Attempt all questions** **(14)**
 A Write a detailed note on protozoa. **07**
 B Write about a Germ theory of disease. **07**
- Q-6** **Attempt all questions** **(14)**
 A Write a General Characteristics of Virus and their application. **07**
 B Write a detailed note on Prions with disease. **07**
- Q-7** **Attempt all questions** **(14)**
 A Write a detailed note on General structure of Virus and their classification. **07**
 B Write a brief note Robert Koch's postulate. **07**
- Q-8** **(14)**
 Write a detailed note on scope of Microbiology.

