

Enrollment No: _____ Exam Seat No: _____

C.U.SHAH UNIVERSITY

Summer Examination-2018

Subject Name: Agricultural Microbiology

Subject Code: 4SC06AGM1

Branch: B.Sc. (Microbiology)

Semester: 6

Date: 04/05/2018

Time: 02:30 To 05:30

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) Rhizobium is a Gram negative bacterium. True/false
- b) NO is a green house gas. True/false
- c) Name the organisms that turn raw milk sour
- d) Name any phosphate solubilizing bacteria
- e) Bordeaux solution is used to prevent.....infection
- f) Azolla- Anabaena is an example of relationship
- g) Define Gall
- h) Differentiate between powdery mildew and downy mildew.
- i) Define pasteurization
- j) Name any two microorganisms responsible for milk spoilage
- k) Define biodegradation
- l) Mycorrhizae is an association between..... and
- m) BGA is also known as.....
- n) Define biofertilizer

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

Q-2 Attempt all questions (14)

- a) Write the symptoms, causative agent, and characteristics of the following plant diseases: (7)
 - i) Canker
 - ii) Rust
 - iii) Smut
 - iv) wilt
- b) Explain phosphate solubilization processes and its uses as fertilizer (7)

Q-3 Attempt all questions (14)

- a) Write a short note on biological nitrogen fixation (7)



