

Roll No.

Total No. of Pages : 02

Total No. of Questions : 09

B.Voc. (Agriculture) (Sem.-4)
ELEMENTARY MICROBIOLOGY

Subject Code : BVAG-404-18

M.Code : 91619

Date of Examination : 11-07-22

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTIONS TO CANDIDATES :

1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
2. SECTION-B contains FIVE questions carrying FIVE marks each and students have to attempt any FOUR questions.
3. SECTION-C contains THREE questions carrying TEN marks each and students have to attempt any TWO questions.

SECTION-A

1. Write briefly :

- a. Write short note on conjugation.
- b. Write short note on ammonification.
- c. Distinguishing features of algae.
- d. Which chemical units alternate the glycan portion of peptidoglycans?
- e. Define "Tyndallization".
- f. Why deuteromycetes are called "*Fungi imperfect*"?
- g. Give biological names of dhangri and button mushroom.
- h. Extend the abbreviation HTST and LTLT.
- i. What do you understand by "*coliform bacteria*"?
- j. Write short note on prions.

SECTION-B

2. Discuss the contribution of Louis Pasteur in the field of Microbiology.
3. Differentiate between eukaryotic and prokaryotic cell.
4. Differentiate between sporangiospores and conidia.
5. Discuss structure and properties of bacteriophages.
6. What are phosphate solubilizing microorganisms?

SECTION-C

7. What is growth? Explain monoauxic and diauxic growth of a bacterial cell.
8. What is food-spoilage? Describe the factors that invite food-spoilage.
9. What is biogas? Describe the process of biogas production.

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.