

SET A

Unique paper code :42163302
Name of the course : BSc Life Science
Name of the paper. : Biofertilizer (SEC)
Semester : III
Duration : 3 Hours+1 Hours for uploading **Maximum marks: 38**

Instructions for candidate

a) Write your Roll No., Name of the Paper, Course, Semester and Date of examination on the first page of the answer sheet.

b) Attempt **ANY FOUR** questions. All questions carry equal marks.

1. What are the different types of mycorrhizal associations? Discuss the role of arbuscular mycorrhizae in increasing the crop productivity. (9.5)
2. Why *Rhizobium* is known as a wonder fertilizer? Discuss its production technology for field applications. (9.5)
3. What is a biofertilizer? Explain various sources of Biofertilizers with examples. (9.5)
4. What is the role of *Azolla* and Blue Green Algae in Rice cultivation? Mention various advantages of using Blue Green Algae as a biofertilizer. (9.5)
5. Define compost and mention its various sources. How is vermicomposting better than other methods of composting? (9.5)
6. Organic farming is a unique production management system which promotes and enhances agro-ecosystem health. Justify your answer. Discuss principle and advantages of the organic farming. (9.5)