

Unique Paper Code : 42163302
Name of the Course : **B.Sc. Life Sciences**
Name of the Paper : Biofertilizers (SEC)
Semester : III
Duration : 3 Hours +1 Hour for uploading **Maximum Mark: 38**

Instructions for Candidates

- 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.
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1. Define biofertilizers. Explain with examples how use of biofertilizers can improve soil health. **(9.5)**
 2. What is biological nitrogen fixation? Discuss the method of isolation of Rhizobium from root nodules of leguminous plants. **(9.5)**
 3. What is 'compost'? How is composting different from vermicomposting. **(9.5)**
 4. Define organic farming. Draw a comparison between conventional farming and organic farming. **(9.5)**
 5. Discuss vesicular arbuscular mycorrhizae. How does mycorrhizae help in plant nutrition? **(9.5)**
 6. What are the characteristics of Blue green algae? Discuss its role in rice cultivation. **(9.5)**