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(20517) Roll No. ....

B.Sc. (Micro.) - III Year

3507

B.Sc. (Micro.) Examination, May 2017

Agricultural Microbiology

(B-304)

Time : Three Hours / [Maximum Marks : 50

Note : Attempt any five questions. All questions carry equal marks.

- 1. Describe the distribution of microorganisms in soil and microbial contribution to soil fertility. 10
- 2. What is soil profile? Describe the physical and chemical properties of soil. 10
- 3. Explain different types of interactions between soil microorganisms. 10

P.T.O.

- 4. Write notes on :
  - (a) Rhizosphere
  - (b) Rhizobia 5+5
- 5. What is IPM? Describe the role of Integrated Pest Management in the control of plant diseases. 10
- 6. What is mycorrhiza? Describe the nature, distribution and significance of ectomycorrhiza and endomycorrhiza. 10
- 7. Describe the causal organism, symptoms and control measures of following diseases :
  - (a) Late blight of potato 4+3+3
  - (b) Citrus canker
  - (c) Yellow vein mosaic of bhindi
- 8. Describe major fungal diseases of vegetable crops of your locality. 10

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