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Roll No. 9661-018

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