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(20425)

Roll No.

B.Sc. (Micro.)-III Year

3507

B.Sc. (Micro.) Examination, April-2025

AGRICULTURAL MICROBIOLOGY

(B-304)

[B.Sc. (Micro.)]

Time : Three Hours]

[Maximum Marks : 50

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

1. (a) What is Winogradsky column?
Discuss different microbial communities of Winogradsky column in detail. 5
- (b) Discuss different factors affecting microbial population in soil. 5

2. Define biofertilizers. Classify biofertilizers based on the type of microorganisms and nutrient they supply with examples. 10
3. Discuss etiology including symptoms, mode of transmission, life cycle and management of 2 important diseases of sugarcane. 10
4. Differentiate between soil texture and soil structure. Give brief account of different soil texture classes. 10
5. Discuss protocoperation, symbiosis, amensalism and parasitism with one example of each. 10
6. What are desirable properties in organisms to be used for biological control? Discuss Trichoderma as biological control agent in detail. 10

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