



M 26539

Reg. No. :

Name :

I Semester M.A./M.Sc./M.Com. Degree (Reg./Sup./Imp.)
Examination, November 2014
BOTANY (2014 Admn. under CBSS)
BOT 1C02 – Microbiology and Plant Pathology

Time : 3 Hours

Max. Marks : 60

Instruction : Draw **diagrams** wherever **necessary**.

SECTION – A

1. a) Name the Causative agents of plant diseases caused by Bacteria.

OR

b) Give an account on different methods of sterilization.

2. a) Explain in detail the classification of plant viruses.

OR

b) Give an account on Rhizo-Sphere microflora.

(2×8=16)

SECTION – B (Answer **any two**)

3. a) What is Bergey's Manual ?

1

b) Explain Nutrition in Bacteria.

2

c) Explain the Production of Alcohol.

3

4. a) Explain different types of Bacteriological media.

2

b) What is food borne disease ?

1

c) Describe Humoral and cell mediated Immunity.

3

5. a) Name two plant-diseases caused by Nematodes.

1

b) Describe Powdery Mildew of Rubber.

2

c) Explain chemically Induced Defence.

3

(2×6=12)

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SECTION – C (Answer **any six**)

6. Describe Quorum sensing.
7. Explain chemistry of bacterial cell wall.
8. Explain Bacteriophage.
9. Explain Crown gall disease.
10. Write on Monogenic resistance.
11. What is symbiosis ?
12. Write about systemic chemicals.
13. Mention Plant Quarantine Measures.

(6×3=18)

SECTION – D (Answer **any seven**)

14. Capsule.
15. Filter Sterilization.
16. Structure of HIV.
17. Fermented foods.
18. Biofermentors.
19. Ozone.
20. Tyloses.
21. Redrot of Sugarcane.
22. Toxic residues.
23. Tetrahedron.

(7×2=14)