

APRIL 2017

1709108/UMYA32A

Time : Three hours

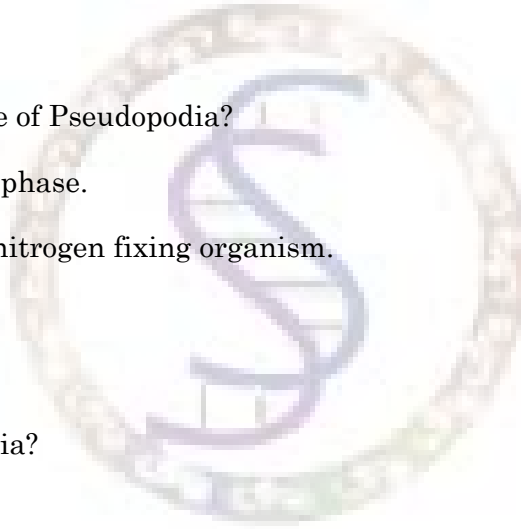
Maximum : 75 marks

SECTION A — (10 × 2 = 20 marks)

Answer any TEN questions.

Each question carries 2 marks.

1. What is Chromic acid?
2. Define fractional sterilization.
3. Give two examples for an enrichment cultures.
4. Define capsule.
5. Define pock formation.
6. What is the significance of Pseudopodia?
7. Give short notes on log phase.
8. Give two examples for nitrogen fixing organism.
9. Explain Biofertilizers.
10. Define potable water.
11. What is Sulphur bacteria?
12. What is Tricking filter?



SECTION B — (5 × 5 = 25 marks)

Answer any FIVE questions.

Each question carries 5 marks.

13. Give short notes on sterilization.
14. Briefly explain about types of culture media.
15. Explain in detail about cell wall and its synthesis.
16. Comment on fungi and its classification.
17. How will you measure the growth of bacteria?
18. Explain in detail about the soil and its types.
19. How will you check the quality of water?

SECTION C — (3 × 10 = 30 marks)

Answer any THREE questions.

Each question carries 10 marks.

20. Briefly explain about the pure culture technique.
21. Give brief notes on viruses.
22. Give detailed account on an Entamoeba.
23. Explain the role of nitrogen fixation in soil.
24. Explain the physical treatment methods of sewage.