

NOVEMBER 2017

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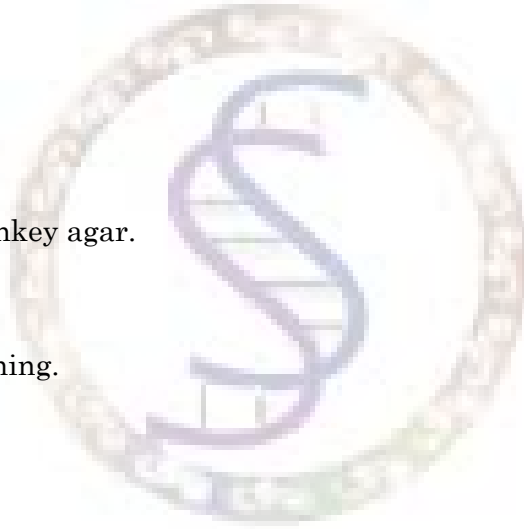
Time : Three hours

Maximum : 75 marks

SECTION A — (10 × 2 = 20 marks)

Answer any TEN questions.

1. Define enrichment culture.
2. Lyophilization.
3. Bacterial capsule.
4. Explain — Fungi.
5. Define — turbidity.
6. Rhizophers.
7. Pigments.
8. Double strength macconkey agar.
9. Explain chlorination.
10. Define differential staining.
11. Filters.
12. Structure of volvox.



SECTION B — (5 × 5 = 25 marks)

Answer any FIVE questions.

13. Write the application of dry heat process.
14. Give short notes on spread plate techniques.
15. Draw and explain chlorella.
16. Explain the nature of entamoeba.
17. Discuss in detail about the microbes seen in soil.
18. Comment on the water treatment process.
19. Give detail account on waste disposal.

SECTION C — (3 × 10 = 30 marks)

Answer any THREE questions.

20. Discuss in detail about pure culture techniques.
21. Write about the general properties of viruses.
22. Elaborate - plasmodium.
23. Give detail account on biofertilizer.
24. Explain in detail about the sewage treatment.