

APRIL 2018

1710313/UMYA32A

Time : Three hours

Maximum : 75 marks

SECTION A — (10 × 2 = 20 marks)

Answer any TEN questions.

1. Define chromic acid.
2. Comment on spore.
3. Role of pili.
4. Viral spikes.
5. Nif gene.
6. Define biofertilizer.
7. Give two example for water borne pathogens.
8. Define sludge.
9. Decoloniser.
10. Pseudopodia.
11. Tyndalisation.
12. Vector.



SECTION B — (5 × 5 = 25 marks)

Write any FIVE questions.

13. Give short notes on evolution of microbiology.
14. Explain in detail about standard plate counter method.
15. Draw and explain the function of cell wall.
16. Comment on microbial growth.
17. Write short notes on biofertilizers and its applications.
18. How will you check the portability of water?
19. Give short notes on water borne pathogens.

SECTION C — (3 × 10 = 30 marks)

Write any THREE questions.

20. Give detail account on the types of culture media.
21. Explain briefly about the structure and characteristics of micro algae.
22. Give detail account on the types of soils.
23. Briefly explain the nitrogen fixation process.
24. Explain about sewage treatment.