

b. Answer any six questions, each answer not exceeding 50 words (6x3=18)

19. Germ theory of disease
20. Fimbriae
21. Icosahedral capsid
22. Actinomycetes
23. Sedimentation
24. Endospore
25. Protista
26. Prions
27. Mycoplasma

SECTION - B

ANSWER ANY FOUR QUESTIONS EACH ANSWER SHOULD NOT EXCEED 200 WORDS. DRAW DIAGRAMS WHEREVER NECESSARY (4x6=24)

28. Write short notes on Whittaker's five kingdom concept.
29. With diagrams explain transformation.
30. Enumerate the general properties of TMV.
31. Explain the causal organism, symptoms and control measures of Citrus canker disease.
32. Give a schematic representation of the steps involved in purification of drinking water?
33. Describe the chemical composition of bacterial cell wall .

SECTION - C

ANSWER ANY TWO QUESTIONS EACH ANSWER SHOULD NOT EXCEED 1000 WORDS. DRAW DIAGRAMS WHEREVER NECESSARY (2x20=40)

34. Describe the physical and chemical methods of control of microorganisms.
35. Explain in detail lysogenic cycle of bacteriophages
36. With schematic diagrams explain the nitrogen cycle .
37. Give an account of the steps involved in sewage water treatment.
