

Register No.:

957

April 2024

Time - Three hours
(Maximum Marks: 100)

- [N.B. 1. Answer all questions under Part-A. Each question carries 3 marks.
2. Answer all the questions either (A) or (B) in Part-B. Each question carries 14 marks.]

PART - A

1. Write about the scope of microbiology.
2. Write notes on morphology of bacteria.
3. Define pikes transport medium.
4. What is disinfection?
5. Define stationary phase.
6. What is anaerobic culture?
7. What is gram's staining?
8. Write notes on stain preparation.
9. What is travellers' diarrhoea?
10. Define morphology.

[Turn over.....

PART – B

11. (a) Explain the general characteristics of fungus.
(Or)
(b) Explain the differences between prokaryotic and eukaryotic microorganisms.
12. (a) Explain about the method of collection of specimen.
(Or)
(b) What is sterilization? Explain about chemical sterilization in halogens, aldehydes and dyes.
13. (a) Explain about antimicrobial susceptibility test.
(Or)
(b) What is growth cycle? Explain the factors influencing microbial growth.
14. (a) What is staining? Explain about Zileh-Neelsen staining (Hot and Cold) method.
(Or)
(b) Explain about the visualization of morphological and chemical reactions in bacterial cell.
15. (a) Give an account on morphology and pathogenesis of (i) Shigella (ii) Pseudomonas.
(Or)
(b) Explain about the morphology and pathogenesis of *salmonella* and *streptococcus*.
