

Reg No:.....

K25FY2335

Name :.....

Second Semester FYUGP Microbiology Examination
APRIL 2025 (2024 Admission onwards)
KU2DSCMBG104 (PERSPECTIVES OF MICROBIOLOGY)
(DATE OF EXAM: 28-4-2025)

Time : 90 min

Maximum Marks : 50

Part A (Answer any 6 questions. Each carries 2 marks)

1. Define disinfection 2
2. What do you mean by cold sterilization and why is it called so? 2
3. Explain TDT 2
4. Write the antimicrobial resistant mechanism of bacteria 2
5. Mention the challenges associated with the cultivation of viruses. 2
6. What media is used to cultivate protozoans? 2
7. Remember the applications of broth culture 2
8. What is roll tube? 2

Part B (Answer any 4 questions. Each carries 6 marks)

9. Analyze the significance of sterilization in daily life 6
10. Explain moist heat sterilization with suitable example 6
11. Explain classification of antibiotics based on the structure 6
12. Based on the nutritional needs of protozoan, how would you adjust the culture medium to promote their growth? 6
13. Explain streak plate method and write its importance 6
14. Explain various methods of creating anaerobic environment to cultivate anaerobes 6

Part C (Answer any 1 question(s). Each carries 14 marks)

15. Explain various chemical agents used for controlling microorganisms 14
16. Identify a method for cultivation of fungus 14