

Second Year B.Sc MLT Degree Supplementary Examinations June 2024

General Microbiology

Time: 3 Hours

Total Marks: 100

- Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space
- Answer all parts of a single question together • Leave sufficient space between answers.
- Draw Diagrams wherever necessary.

Essay

(2x10=20)

1. Enumerate FOUR enrichment media. Describe in detail any two enrichment media. (2+8)
2. Enumerate the different methods used for quantitation of bacteria. Discuss total count and viable count in detail. (4+6)

Short notes

(10x5=50)

3. Streak culture
4. Lovibond comparator
5. Transduction
6. Gaspak
7. Liquid culture media
8. Thiosulphate citrate bile salt sucrose agar
9. Lysine Iron agar
10. Plasmids
11. Transport media
12. Blood agar

Answer briefly

(10x3=30)

13. Urease test
14. Thermophilic bacteria
15. Photoelectric colorimeter
16. Oxidation and Fermentation test.
17. Xylose lysine deoxycholate agar.
18. IMViC test
19. Robertson's cooked meat medium
20. Guinea pig
21. Phenotypic variation
22. Bacterial growth curve