

**Second year BSc(MLT) Degree Supplementary Examination June 2013**

**GENERAL MICROBIOLOGY**

Total Marks:100

Essay

1.Name the tests based on the metabolism of carbohydrates . Write in detail any three tests (3+7=10).

2. What is Anaerobism ?.Describe the various anaerobic culture techniques. (1+9=10)

**Short notes**

**(10x5=50)**

3. Bacterial growth curve

4. Coagulase test

5. Enrichment culture media

6. Differential media

7. Turbidometric method of bacterial quantitation

8. Care of experimental animals

9. Amino acid decarboxylation test

10 Mutation and detection of mutants

11. Transport media

12. Gene transfer methods

**Answer briefly**

**(10x3=30)**

13. Urease test

14. Bacteriocin typing

15. Plasmids

16. Lac operon

17. Blood agar

18. Hydrogen sulphide detection

19. Oxidase test

20. Total bacterial count

21. Nude mouse

22. Lawn culture