

**Second Year B.Sc MLT Degree Supplementary Examinations, April 2014**

**GENERAL MICROBIOLOGY**

**Time: 3 Hours**

**Total Marks: 100**

- Answer all Questions.
- Draw Diagrams wherever necessary.

**Essay**

**(2x10=20)**

1. Name various drug resistant mechanisms in bacteria. Describe in detail the plasmid mediated drug resistance with examples. (4+6=10)
2. Name the different anaerobic culture methods. Describe in detail. (4+6=10 )

**Short notes**

**(10x5=50)**

3. Lysine iron agar
4. Enriched media.
5. Transport media
6. Different routes of animal inoculation.
7. Liquid culture media
8. Mc Farland opacity tube
9. Different methods of pH adjustments
10. Quality control in culture media
11. Mutation
12. Tests for detecting various enzymes in bacteria.

**Answer briefly**

**(10x3=30)**

13. Potassium tellurite agar.
14. Lyophilisation
15. Stroke culture method
16. Rabbit
17. Spectrophotometer
18. Capnophilic bacteria
19. Mac Conkey's agar
20. Biphasic medium.
21. Disposal of dead animals
22. Tests for the metabolism of fat