

**QP CODE: 202012**

**Reg No:.....**

**Second Year B.Sc MLT Degree Supplementary Examinations, May 2016**

**GENERAL MICROBIOLOGY**

**Time: 3 Hours**

**Total Marks: 100**

- Answer all Questions.
- Draw Diagrams wherever necessary.

**Essay**

**(2x10=20)**

1. Enumerate four enrichment media. Describe in detail any two of them. (2+8=10)
2. Classify bacteria based on oxygen requirement for growth. Describe in detail the various anaerobic culture methods. (2+8=10)

**Short notes**

**(10x5=50)**

3. Bacteriophage typing
4. Guinea pig
5. Transport media
6. Conjugation.
7. Different routes of animal inoculation.
8. Viable count.
9. Tests for metabolism of fat
10. Quality control in media preparation
11. Genotypic variation.
12. pH indicator solutions.

**Answer briefly**

**(10x3=30)**

13. Continuous culture
14. Thermophilic bacteria
15. Infant suckling mouse.
16. Blood agar
17. Lowenstein Jensen medium
18. Oxidase test.
19. Spectrophotometer
20. XLD
21. Coagulase test.
22. Types of mutation

\*\*\*\*\*