

**QP CODE: 202012**

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

**Second Year B.Sc MLT Degree Supplementary Examinations  
February 2017**

**GENERAL MICROBIOLOGY**

**Time: 3 Hours**

**Total Marks: 100**

- Answer all Questions.
- Draw Diagrams wherever necessary.

**Essay**

**(2x10=20)**

1. Enumerate tests for metabolism of carbohydrates and related compounds. Describe in details about any of the two.
2. Describe in detail about counting bacteria and measuring bacterial growth in a suspension

**Short notes**

**(10x5=50)**

3. Transport media
4. Selective media
5. Anaerobic culture methods
6. Conjugation
7. pH in microbiology
8. Photo electric colorimeter
9. Mutation
10. Operon model of gene expression
11. Rabbit as a laboratory animal
12. Phage typing

**Answer briefly**

**(10x3=30)**

13. Capnophilic bacteria
14. Mueller hinton agar
15. Robertson's cooked meat media
16. Storage of culture media
17. ONPG test
18. Urease test
19. Agar-agar
20. Indole test
21. Transposons
22. Lysed blood agar

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