

QP CODE: 202012

Reg No:.....

**Second Year B.Sc MLT Degree Regular/Supplementary Examinations
October 2019**

General Microbiology

Time: 3 Hours

Total Marks: 100

- Answer all Questions.
- Draw Diagrams wherever necessary.

Essay

(2x10=20)

1. Enumerate four culture media . Describe in detail any two of them (2+8)
2. Name four tests for detection of carbohydrate metabolism. Describe in detail any two of them. (2+8)

Short notes

(10x5=50)

3. Transformation
4. Plasmids
5. Rabbit
6. Quantitative culture methods.
7. Bacteriocin.
8. Colony characteristics on solid media
9. Quality check in culture media
10. Batch culture
11. Physical conditions required for the growth of bacteria
12. RCM

Answer briefly

(10x3=30)

13. Mutagens.
14. Inbred mouse
15. Catalase test.
16. Indole
17. Urease test
18. Thermophilic bacteria.
19. Preparation of glass wares for media preparation
20. Standardisation of bacterial loop
21. Total count.
22. Killing and disposal of dead animals
