

**Second Year B.Sc MLT Degree Supplementary Examinations  
April (December), 2020**

**General Microbiology**

**Time: 3 Hours**

**Total Marks: 100**

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers.*
- *Draw Diagrams wherever necessary.*

**Essay**

**(2x10=20)**

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

**Short notes**

**(10x5=50)**

3. Conjugation
4. Operon model for gene expression
5. Rat
6. Anaerobic culture methods.
7. Killing and post mortem of animals.
8. Enriched media.
9. Lovibond comparator.
10. Continuous culture
11. Simple opacity standards.
12. Sugar media

**Answer briefly**

**(10x3=30)**

13. Mutagens.
14. Infant suckling mouse
15. Oxidase test.
16. TSI
17. XLD
18. Mesophilic bacteria.
19. Peptone water
20. OF test
21. Viable count.
22. Photoelectric colorimeter