

**Second Year B.Sc MLT Degree Examinations September 2017**

**GENERAL MICROBIOLOGY**

**Time: 3 Hours**

**Total Marks: 100**

- Answer all Questions.
- Draw Diagrams wherever necessary.

**Essay**

**(2x10=20)**

1. Enumerate media for blood culture. Describe in detail any of the two
2. Name four laboratory animals. Describe in detail the feeding, housing, breeding and care of any two of them.

**Short notes**

**(10x5=50)**

3. Plasmids
4. Bacterial growth curve
5. Batch culture
6. Quality control of in-house produced culture media
7. OF (oxidation-fermentation) test
8. Anaerobic culture media
9. Simple opacity standards
10. Viable count
11. pH indicators
12. Colony characters in solid culture media.

**Answer briefly**

**(10x3=30)**

13. Deionized water
14. Phenyl alanine deaminase test
15. Oxidase test
16. Mesophilic bacteria
17. Chocolate agar
18. Catalase test
19. Inbred mice
20. Andrade's indicator
21. Storage of media
22. Transformation