

Second Year B.Sc MLT Degree Examinations, September 2016

GENERAL MICROBIOLOGY

Time: 3 Hours

Total Marks: 100

- Answer all Questions.
- Draw Diagrams wherever necessary.

Essay

(2x10=20)

1. Enumerate four selective media. Describe in detail any two of them. (2+8=10)
2. Name four laboratory animals. Describe in detail the feeding, housing, breeding and care, of any two of them. (2+8=10)

Short notes

(10x5=50)

3. Anaerobic culture methods
4. Basal media
5. Sugar fermentation media
6. Transduction.
7. Rapid identification tests.
8. Operon model.
9. Tests for metabolism of proteins
10. Quality control for tests for detection of enzymes
11. Different types of inoculation methods.
12. Equipments for pH detection.

Answer briefly

(10x3=30)

13. Batch culture.
14. Mesophilic bacteria
15. Inbred animals.
16. Chocolate agar
17. Loeffler's serum slope
18. Catalase test.
19. Photoelectric colorimeter
20. RCM
21. Methyl red test.
22. Isolation of mutants