

Second Year B.Sc MLT Degree Examinations October 2018

General Microbiology

Time: 3 Hours

Total Marks: 100

- Answer all Questions.
- Draw Diagrams wherever necessary.

Essay

(2x10=20)

1. Enumerate tests for metabolism of proteins and amino acids. Describe in detail any two of them. (2+8)
2. Define culture media. Describe in detail common ingredients of culture media

Short notes

(10x5=50)

3. Basal media
4. Bacterial growth curve
5. Guinea pig as laboratory animal
6. Viable count
7. Equipments for pH detection
8. Different types of inoculation methods
9. Mc Farland's standard and its interpretation
10. Transduction
11. Legal requirements in management of experimental animals
12. Gnotobiotic animals

Answer briefly

(10x3=30)

13. TSI agar
14. Standard loop
15. Transposons
16. Coagulase test
17. Thio glycollate broth
18. Phenyl alanine deaminase test
19. Mac Conkey agar
20. Sterilization of urease media
21. Storage of media
22. Transformation