

Second Year B.Sc MLT Degree Supplementary Examinations March 2019

General Microbiology

Time: 3 Hours

Total Marks: 100

- Answer all Questions.
- Draw Diagrams wherever necessary.

Essay

(2x10=20)

1. Define selective media. Classify it with examples. Describe in detail about any two selective media. (1+2+7)
2. Name the different gene transfers mechanisms that occur in bacteria. Describe any two. (2+8)

Short notes

(10x5=50)

3. Oxidation – Fermentation test.
4. Solidifying agents used in culture media.
5. Catalase test.
6. Nutrient agar medium.
7. Lovibond comparator.
8. Anaerobic jar.
9. Collection of blood samples from rabbit.
10. Bacteriocin typing method.
11. Transposons.
12. Transport media

Answer briefly

(10x3=30)

13. Preparation of Andrade's indicator.
14. Handling of infected animals.
15. Total count of bacteria.
16. ONPG test.
17. Peptone.
18. Selenite F broth.
19. Diagrammatically represent bacteriophage.
20. Lawn culture.
21. Quality control of blood agar medium.
22. Indole test