

**Third Year B.Sc MLT Degree Regular/Supplementary Examinations  
June 2021**

**Computer Application, Research methodology, Biostatistics and  
Laboratory management**

**(2016 Scheme)**

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. Explain Network Topology. Explain the types of network topologies (2+8)
2. Explain about biomedical waste management systems and its method of disinfection.  
Describe the uses of personnel protective equipment. (5+5)

**Short notes****(10x5=50)**

3. Cultural issues in health care environment.
4. Quality improvement tools.
5. Procedural guidelines for NABL accreditation.
6. Strategic management.
7. Cost and efficiency in management.
8. Code of conduct.
9. Features of good research design.
10. Biostatistics and its application.
11. Hypothesis testing and application.
12. Features of windows.

**Answer briefly****(10x3=30)**

13. Data collection in research.
14. Application of computer in clinical settings.
15. Sampling techniques.
16. Types of operating system.
17. Standard deviation.
18. Editing a word document file.
19. Qualitative variables
20. Internet and Intranet.
21. Central Tendency.
22. Components of a Word window.