

Third Year B.Sc MLT Degree Supplementary Examinations
September 2024
Electronics, Computer Science & Biomedical Instrumentation Technology
(2010 & 2015 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. Maintenance Procedures of equipment based on medical and laboratory equipment.
Preventive maintenance and break down maintenance.
2. Explain in detail about the PNP & NPN transistor with necessary diagrams.

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

3. Electroencephalography (EEG)
4. Colour Doppler
5. LAN & WAN
6. Spectrophotometer
7. CRO
8. Heating Mantle
9. Audiometer
10. Centrifuge
11. Hot air oven
12. Spirometer

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

13. Principle of dialysis
14. Pressure transducers
15. EMG machine
16. Breakdown Maintenance
17. Application of Zener diode
18. Hardware and software
19. Biological Amplifier
20. LED display
21. Nebulizer
22. Humidifier