

**Third Year B.Sc MLT Degree Examinations, November 2015**

**ELECTRONICS, COMPUTER SCIENCE & BIOMEDICAL INSTRUMENTATION  
TECHNOLOGY**

**Time: 3 Hours**

**Total Marks: 100**

- Answer all Questions.
- Draw Diagrams wherever necessary.

**Essay**

**(2x10=20)**

1. Compare and contrast the different features of CB, CE and CC configurations of amplifiers (10)
2. Explain about different types of audiometers with neat block diagram (10)

**Short notes**

**(10x5=50)**

3. Zener diode and its applications
4. Components of computer
5. Surgical diathermy
6. ECG recorder single and multichannel
7. Blood gas analyzer
8. MRI
9. Cardiac defibrillator
10. Endoscopes
11. Haemodialysis
12. Preventive and break down maintenance of equipments

**Answer briefly**

**(10x3=30)**

13. LC oscillator
14. Multi meter
15. LAN
16. Electrodes
17. Incubator
18. Humidifier
19. Infusion pump
20. Treadmill ECG
21. Spirometer
22. Pacemaker