

Third Year B.Sc MLT Degree Examinations, October 2014**ELECTRONICS, COMPUTER SCIENCE & BIOMEDICAL INSTRUMENTATION
TECHNOLOGY****Time: 3 Hours****Total Marks: 100**

- Answer all Questions.
- Draw Diagrams wherever necessary.

Essay**(2x10=20)**

1. Explain about PNP and NPN transistors (5+5=10)
2. Discuss the working principle and maintenance of the laboratory equipments - deep freezer and colorimeter. (5+5=10)

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

3. Blood gas analyzer
4. SPECT
5. Echo encephalograph
6. Digital subtraction angiography
7. Reflection oximetry
8. Heart lung machine
9. Hearing aid
10. Gamma camera
11. Haemodialysis
12. Centrifuge

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

13. LCD display
14. Bridge rectifier
15. LAN
16. Multi meter
17. Nebulizer
18. Radio activity
19. Bekesey audiometer
20. Pulse height analyzer
21. Dialyzer
22. Heating mantle