

Third Year B.Sc MLT Degree Examinations, September 2016

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

Time: 3 Hours

Total Marks: 100

- Answer all Questions.
- Draw Diagrams wherever necessary.

Essay

(2 x 10=20)

1. Describe common emitter and common base transistor (5+5)
2. Explain transmission oximetry and reflection oximetry (5+5)

Short Notes

(10 x 5=50)

3. PN junction diode
4. Differential amplifier
5. Classification of memory
6. Incubator
7. Nebulizer
8. Color doppler
9. Pulse height analyzer
10. Gamma camera
11. Dialyzer
12. Deep freezer

Answer Briefly

(10 x 3=30)

13. LED display
14. Operating systems
15. Centrifuge
16. Suction apparatus
17. Fingertip pulse oximeter
18. Pure tone audiometer
19. Photo multiplier tube
20. GM counter
21. Tread mill
22. Laser application in medicine
