

Third Year B.Sc MLT Degree Supplementary Examinations March 2017

**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 current gain and voltage gain of an amplifier (5+5)
2. Explain ventilators and its needs (6+4)

Short Notes

(10x5=50)

3. PNP transistor
4. Half wave rectifier
5. LC oscillator
6. Hot air oven
7. Pressure transducer
8. Multi para monitor
9. Single channel ECG recorder
10. Blood gas analyzer
11. Fibre optics
12. Collimator

Answer Briefly

(10x3=30)

13. LCD display
14. WAN
15. Walk-in cooler
16. Multi meter
17. Pace maker
18. Radio activity
19. Cyclotron
20. MRI
21. Need of calibration of equipments
22. Hemodialysis
