

Third Year B.Sc MLT Degree Examinations October 2018

Electronics, Computer Science & Biomedical Instrumentation Technology

Time: 3 Hours

Total Marks: 100

- Answer all Questions.
- Draw Diagrams wherever necessary.

Essay

(2x10=20)

1. Describe the components of computers and the input-output devices (5+5)
2. Explain PET and SPECT (5+5)

Short Notes

(10x5=50)

3. Biological amplifier
4. LAN
5. Memory classification in computers
6. Heating mantle
7. Calorimeter
8. Spirometer
9. Digital subtraction angiography
10. Blood gas analyzer
11. Ionization detector
12. Bekesey audiometer

Answer Briefly

(10x3=30)

13. Application of Zener diode
14. Voltage gain
15. Preventive maintenance
16. EEG recorder
17. Suction apparatus
18. Surgical diathermy
19. Heart lung machine
20. Sigmoidoscope
21. Scintillation detector
22. Peritoneal dialysis
