QP CODE: 304012 Reg No:......

Third Year B.Sc MLT Degree Examinations October 2017

ELECTRONICS, COMPUTER SCIENCE & BIOMEDICAL INSTRUMENTATION TECHNOLOGY

Time: 3 Hours Total Marks: 100

- · Answer all Questions.
- Draw Diagrams wherever necessary.

Essay (2x10=20)

- Explain in detail the hardware and software components in a computer system. What is
 the role of memory in the functioning of computer. (6+4)
- 2. Substantiate the importance of maintenance of equipments. Compare between preventive and breakdown maintenance (4+6)

Short notes (10x5=50)

- 3. NPN transistor
- 4. Half wave rectifier
- 5. LAN
- 6. Electrodes
- 7. Transducers
- 8. EMG machine
- 9. Incubator
- 10. Calorimeter
- 11. Echocardiography
- 12. Collimator

Answer briefly (10x3=30)

- 13. Infusion pump
- 14. GM counter
- 15. Photomultiplier tube
- 16.PET
- 17. Optical fiber
- 18.International colouring of Blood labels
- 19. Digital angiography
- 20. Deep freezer
- 21. Pulse oximeter
- 22. Common base amplifier
