

**QP CODE: 304012**

**Reg No:.....**

**Third Year B.Sc MLT Degree Supplementary Examinations April 2019**

**Electronics, Computer Science & Biomedical Instrumentation Technology**

**Time: 3 Hours**

**Total Marks: 100**

- Answer all Questions.
- Draw Diagrams wherever necessary.

**Essay**

**(2x10=20)**

1. Explain the working of half wave and full wave rectifiers (5+5)
2. Describe transmission and reflection type oximetry (5+5)

**Short notes**

**(10x5=50)**

3. NPN transistor
4. LC oscillator
5. Components of a computer
6. Cathode ray oscilloscope
7. EMG machine
8. Nebulizer
9. Hearing aids
10. Positron emission tomography
11. Hemodialysis
12. Spirometer

**Answer briefly**

**(10x3=30)**

13. Gamma camera
14. Treadmill-ECG
15. Endoscopy
16. WAN
17. Biological amplifier
18. Hot air oven
19. Multimeter
20. Incubator
21. Pure tone audiometer
22. Collimator

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