

QP CODE: 304012

Reg No:.....

Third Year B.Sc MLT Degree Supplementary Examinations January 2022
Electronics, Computer Science & Biomedical Instrumentation Technology

(2010 & 2015 Scheme)

Time: 3 Hours

Total Marks: 100

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers • Draw diagrams wherever necessary*

Essay

(2x10=20)

1. Explain the working of common emitter and common base amplifiers. (5+5)

2. Discuss on peritoneal and hemodialysis (5+5)

Short notes

(10x5=50)

3. LCD display

4. Zener diode

5. Input and output devices of a computer

6. Spectrophotometer

7. Humidifier

8. Cardiac defibrillator

9. Colour Doppler

10. Infusion pump

11. Cyclotron

12. Surgical diathermy

Answer briefly

(10x3=30)

13. PN junction diode

14. Memory classification in a computer

15. Differential amplifiers

16. Centrifuge

17. Pressure transducers

18. Evoked potential recording

19. Cardiac pacemakers

20. Speech audiometer

21. Sigmoidoscope

22. Photomultiplier tube
