

Q.P.Code: 104015

Reg. No.:.....

First Year BASLP Degree Supplementary Examinations - February 2015

BIOMEDICAL INSTRUMENTATION AND ACOUSTICS

Time : 3 hrs

Max marks : 80

- Answer all questions
- Draw diagram wherever necessary

Essays

(4x10=40)

1. Draw and explain the block diagram of a DC power supply.
2. Explain optical disc recording and reproduction.
3. Draw and explain the block diagram of a computer.
4. Explain artificial larynx, with necessary diagrams.

Short notes

(5x5=25)

5. LCD
6. Microphones
7. Logic gates
8. Power amplifiers
9. Analog to digital converters

Answer briefly

(5x3=15)

10. Capacitors
11. Reverberation
12. Sound pressure level
13. Binary number system
14. IIR systems
