

Q.P.Code: 104015

Reg. No.:.....

First Year BASLP Degree Supplementary Examinations - March 2013

BIOMEDICAL INSTRUMENTATION AND ACOUSTICS

Time: 3 hrs

Max marks : 80

- Answer all questions
- Draw diagram wherever necessary

Essays

(4x10=40)

1. Explain the application of digital signal processing in speech and hearing field.
2. Explain the safety aspects, care and preventive maintenance of biomedical instruments
3. Explain the calibration of audiometers with a neat diagram.
4. Explain the care and maintenance of computers and peripherals

Short notes

(5x5=25)

5. Artificial larynx
6. Speech spectrograph
7. Trouble shooting of hearing aids
8. Sound level meter
9. Sane and phon

Answer briefly

(5x3=15)

10. Absorption coefficient
11. Sound pressure level
12. bit and byte
13. Reverberation
14. Types of microphone
