

**Q.P.Code: 104015**

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

**First Year BASLP Degree Examinations - August 2014**

**BIOMEDICAL INSTRUMENTATION AND ACOUSTICS**

**Time : 3 hrs**

**Max marks : 80**

- Answer all questions
- Draw diagram wherever necessary

**Essays**

**(4x10=40)**

1. Describe the scope of electronics and acoustics in speech and hearing.
2. With a neat block diagram explain a) Induction loop system b) Audiometer
3. Describe the parts of a personal computer and its specifications.
4. Explain the procedure of sound treatment.

**Short notes**

**(5x5=25)**

5. Transducers
6. Sound level meter
7. AC voltage stabilizer
8. Pre amplifiers and its use
9. Digital displays

**Answer briefly**

**(5x3=15)**

10. Inverters
11. Sampling frequency
12. Bar spectrograms
13. High pass filters
14. Analog signals

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