

**Q.P.Code: 104015**

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

**First Year BASLP Degree Examinations - September 2015**

**BIOMEDICAL INSTRUMENTATION AND ACOUSTICS**

**Time : 3 hrs**

**Max marks : 80**

- Answer all questions
- Draw diagram wherever necessary

**Essays**

**(4x10=40)**

1. Classify and describe microphones.
2. What are the properties of sound and explain how they are measured.
3. Describe the parts of a hearing aid with block diagram.
4. Explain the parts of a Computer with a block diagram

**Short notes**

**(5x5=25)**

5. Computer logic gating
6. Frequency counters
7. DC Power supplies
8. Electronic amplifiers
9. LCD

**Answer briefly**

**(5x3=15)**

10. Piston phone
11. A/D convertor
12. UJT
13. Acoustic gain
14. CPU

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