

Q P Code: 125015

Reg. No.....

First Semester BASLP Degree Examinations April 2019

Electronics and Acoustics

Time: 3 Hours

Max Marks: 75

- **Answer all Questions**
- **Draw diagrams wherever necessary**

Essays

(4x10=40)

1. Explain about different types of UPS with supporting diagrams. Compare the pros and cons of each.
2. Explain why a single loudspeaker cannot be used to cover the entire audio frequency range and why loudspeakers are always fixed in enclosures.
3. What is computer network. How are networks classified. Explain the structure and components of any one type of network.
4. Explain the steps involved in the AC calibration of pure tone audiometer. Illustrate the calibration setup.

Short Notes

(5x5=25)

5. Group amplification devices
6. Concept and functioning of mobile apps
7. Sabine's formula
8. Concept of gain, bandwidth of an amplifier
9. Digital signal processing system

Answer Briefly

(5x2=10)

10. LCD (Liquid Crystal Display)
11. Counter
12. Power amplifier
13. Equal loudness contour
14. Latest specification of personal computer
