

**Q P Code: 125015**

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

**First Semester BASLP Degree Regular/Supplementary Examinations  
April (December), 2020**

**Electronics and Acoustics**

**Time: 3 Hours**

**Max Marks: 75**

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw diagrams wherever necessary*

**Essays**

**(4x10=40)**

1. Bring out the difference between AC and DC power supply. Explain working principle of DC power supply.
2. Define loudspeaker. Mention its types and working principle of a loud speaker.
3. How are filters classified. Explain with the help of frequency response.
4. What is the structure of local area network. Explain the components of LAN

**Short Notes**

**(5x5=25)**

5. Universal gates
6. Seven segment display
7. Working of audiometer
8. Local area network
9. Digital signal processing

**Answer Briefly**

**(5x2=10)**

10. Transistor
11. Pitch
12. Sabine's formula
13. Logic gates
14. Absorption

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