

Q P Code: 125015

Reg. No.....

**First Semester BASLP Degree Regular/Supplementary Examinations
July 2021**

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. Explain the working principle of servo controlled method of stabilization
2. What are the basic requirements of a good acoustically treated audiometric room
3. Write the merits and demerits of analog signal processing over digital signal processing.
4. Differentiate between tele-diagnosis and tele-rehabilitation. What are its implications in the field of speech and hearing.

Short Notes

(5x5=25)

5. Characteristics of sound
6. Digital hearing aids
7. 2-bit ripple counter
8. Condenser microphone
9. SMPS (Switch Mode Power Supply)

Answer Briefly

(5x2=10)

10. Transducer
11. Notch filter
12. Intranet
13. Equal loudness contour
14. Flip-Flop
