

**Fifth Semester BASLP Degree Special Supplementary Examinations**  
**August 2024**

**Amplification Devices**

**Time : 2 hrs**

**Max marks : 50**

- *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 table/diagrams/flow charts wherever necessary*

**Essay:**

**(3x10=30)**

1. Write the purpose, parameters, instrumentations, and usage of electroacoustic measurements in the hearing aids.
2. Write a note on BILL, TILL and PILL signal processing techniques in the hearing aids.
3. Write a note on different types of microphone and amplifiers used in hearing aids.

**Short notes**

**(3x5=15)**

4. Digital hearing aids.
5. Group amplification devices.
6. Total harmonic distortion, and equivalent input noise in hearing aids.

**Answer briefly**

**(5x1=5)**

7. Digital noise reduction.
8. Infra-red system.
9. Routing of signals
10. WDRC.
11. Body baffle effects.

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