

**BACHELOR OF AUDIOLOGY & SPEECH LANGUAGE PATHOLOGY (2017 COURSE)**  
**B. A. S. L. P. Sem-III : WINTER :- 2021**  
**SUBJECT: AMPLIFICATION DEVICES**

**Day : Monday**  
**Date 28-02-2022**

**W-17906-2021**

**Time : 10:00 AM-12:00 PM**  
**Max. Marks: 50**

**N.B.**

- 1) All questions are **COMPULSORY**.
- 2) Figures to the **RIGHT** indicate **FULL** marks.
- 3) Answer each section in the respective answer sheet only.
- 4) Draw neat and labeled diagrams wherever necessary.
- 5) Answers written in the inappropriate answer sheets will not be assessed in any case.

**SECTION – A (SAQ) : 25 MARKS**

**Q.1** Attempt any **FIVE** out of seven. **(5x5 = 25)**

- a) Explain the importance of binaural hearing aid over monaural hearing aids.
- b) Discuss different ear mould modifications used in hearing aid fitting.
- c) Write a note on frequency compression hearing aids.
- d) Compare benefits of frequency modulated (FM) assistive listening device with induction loop system.
- e) Explain the principal of CROS hearing aids and describe its types.
- f) Describe the NAL N11 formulae with appropriate graphs.
- g) compare the functional gain measurement over to real ear measurement.

**SECTION – B (LAQ) : 25 MARKS**

**Q.2** Attempt any **ONE** out of two. **(1x10 = 10)**

- a) Describe various verification and validation procedure of hearing aid fitting in adults.
- b) Explain different types of hearing aids used for children and adults with hearing loss.

**Q.3** Attempt any **ONE** out of two. **(1x15 = 15)**

- a) Describe the steps of hearing aid fitting in children with sensori-neural hearing loss.
- b) Explain the procedure of different parameters of Electroacoustic characteristics of digital hearing aids along with its importance. .

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