

BACHELOR IN AUDIOLOGY AND SPEECH LANGUAGE PATHOLOGY (BASLP)
SEMESTER -IV EXAMINATION, JUNE-2026
(2022 & 2023 Batch)

PAPER – IV: IMPLANTABLE HEARING DEVICES

[Time allotted: Three Hours]

[Max Marks: 100]

Note: Read all the instructions carefully

Answer all questions in serial order. Draw suitable diagrams wherever necessary

Q. 1. Objective type questions: (Attempt All)

(10 x 02 = 20)

(Very short/ short answer/ MCQ/ One liners/ Fill in the blanks/ True/False)

- a. Band Sweep
- b. Dynamic Range
- c. Indifferent electrode
- d. Performatives
- e. Input processing Strategies
- f. Children should have warble tone thresholds sound-field thresholds no greater than _____.
- g. For experienced recipients, the electrical dynamic range typically ranges between _____.
- h. The goal of Whisper is to enhance audibility for _____ or sounds that originate from a distance.
- i. NRT allows the clinician to measure the recipient's _____.
- j. ECAP (or the EABR) will exhibit _____ and decrease in amplitude as the rate of stimulation is increased.

Q. 2. Short notes/ Short answer type questions (Attempt any Five)

(05 x 04 = 20)

- a. Telemetry
- b. Sound processor configurations
- c. Strategies for developing listening skills
- d. MAP
- e. Post implant counselling and Care
- f. Switch On
- g. Describe the pre- implant evaluations required for CI with clinical relevance

Q. 3. Structured questions (Attempt any Three)

(03 x 10 = 30)

- a. Define signal coding strategy. Describe ACE and CIS. CO 4
- b. Draw a labelled diagram of CI components. Write the candidacy criteria for CI and Hybrid CI. Mention the goals and techniques for CI surgery. CO 3
- c. Define Osseo-integration. Explain the functioning of BAHA with the help of diagram. CO 4.
- d. What is the impact of hearing loss on child's development? Mention the factors affecting outcome of implantable devices in children. What conditions are the contraindications for CI. CO 7

Q. 4. Long Answer/ Essay type questions (Attempt any Two)

(02 x 15 = 30)

- a. Explain different types of Stimulation mode used in CI with the help of diagram. CO3
- b. Describe the benefits, risk and complications associated with CI. CO 6
- c. What is AVT. Mention its principles and suggest three goals with activities and stimulus for listening therapy of a 3-year-old CI recipient whose listening age is 13-15 months. CO 5