

**BACHELOR OF AUDIOLOGY & SPEECH LANGUAGE PATHOLOGY (2017 COURSE)**

**B. A. S. L. P. Sem-IV :SUMMER- 2022**

**SUBJECT : IMPLANTABLE HEARING DEVICES**

Day : Wednesday

Time : 10:00 AM-12:00 PM

Date : 24-08-2022

**S-17912-2022**

Max. Marks : 50

**N.B.**

- 1) All Questions are **COMPULSORY**.
- 2) The number to the right indicates **FULL** marks.
- 3) Draw diagrams wherever **NECESSARY**.
- 4) Answer each section in the respective answer sheet only.
- 5) Answer written in the inappropriate answer sheets will not be assessed in any case.

**SECTION-I**

**Q.1** Attempt any **FIVE** out of Seven **(25)**

- a) Describe the candidacy criterion for bone conduction implant.
- b) Explain different components of middle ear implants along with its types.
- c) Enlist the factors affecting outcomes of cochlear implant.
- d) Explain the importance of eCAP measurement in cochlear implant.
- e) Describe various subjective and objective audio logical tests recommended before cochlear implantation in adults.
- f) Describe the various audiological outcome measures used in persons using middle ear implant.
- g) Enlist different sound processing strategies used in cochlear implant processor and describe any one detail.

**SECTION-II**

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

- a) Describe ACE and CIS speech processing strategies of cochlea implant.
- b) Describe care maintenance of cochlea implant and bone anchored hearing aid.

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

- a) Describe various parts of cochlear implant with respect to different manufacturing company.
- b) Describe various parts of auditory brainstem along with its candidacy criteria.

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