

BACHELOR OF AUDIOLOGY & SPEECH LANGUAGE PATHOLOGY (2017 COURSE)

B. A. S. L. P. Sem-IV : WINTER :- 2021

SUBJECT: IMPLANTABLE HEARING DEVICES

Day : Tuesday
Date 15-03-2022

W-17912-2021

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) Draw diagrams **WHEREVER** necessary.
- 4) Answer each section in the respective answer sheet only.
- 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) Describe the candidacy criteria for Auditory brainstem implant.
- b) Describe the candidacy criteria for middle ear implants.
- c) Write the basic principles of Auditory verbal therapy.
- d) Enlist the type of sound processor, electrode numbers and speech processing strategy as per implant manufactured by different companies.
- e) Compare ACE strategy with CIS + strategy of speech perception.
- f) Draw a well labelled diagram of BAHA
- g) Enlist the various speech perception tests performed postoperative to cochlear implantation.

SECTION – B (LAQ) 25 MARKS

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

- a) Describe various objective measurement of cochlea implant mapping procedure.
- b) Describe the external and internal part of cochlear implant along with its functioning.

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

- a) Describe the presurgical assessment for Cochlea implant, middle ear plant and BAHA.
- b) Discuss various factors affecting postsurgical outcome across middle ear implants, BAHA, cochlear implant and auditory brainstem implant.

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