

**Q.P. Code: 402389**

**Reg. No.:.....**

**Fourth Semester M.Sc. Audiology Degree Regular/Supplementary  
Examinations July 2023**

**A 402: Implantable Auditory Devices**

**Time: 3 hrs**

**Max marks: 80**

- *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*

**Essays**

**(5x16=80)**

1. Explain the candidacy of Cochlear implants. List and explain the audiological and non-audiological tests performed to confirm the candidature for a cochlear implant.
2. Explain the components and working principle of the middle ear implant. What are the advantages of MEI over bone conduction implantation.
3. With neat diagram elaborately describe one intra-operative method to measure the CI device function.
4. Justify the statement 'programming parameter of CI need to be changed often within the first year of implantation'.
5. Describe the working principle of the auditory brainstem implant. Who are the candidature of ABI.

\*\*\*\*\*