

VINAYAKA MISSION'S RESEARCH FOUNDATION, SALEM
(Deemed to be University)
BASLP DEGREE EXAMINATION - April 2019
Fourth Semester
IMPLANTABLE HEARING DEVICES

Three Hours

Maximum: 100 marks

SECTION - A

I. Expand :**(6x1=6)**

1. CROS
2. Define: Bimodal
3. NRT
4. EABR
5. FMT
6. AVT

II. Answer briefly :**(8x2=16)**

7. Fully implantable MEI.
8. Common cavity.
9. FDA approved cochlear implant companies.
10. Bimodal stimulation.
11. Osseointegration.
12. Corpus callosum.
13. Need for implantable hearing devices.
14. Aided cortical potentials.

III. Answer briefly :**(6x3=18)**

15. Draw a neat diagram of CI.
16. BAHA attract Vs BAHA connect.
17. Multiple handicap.
18. Historical development of cochlear implants.
19. Osseointegration.
20. Promontory stimulation.

SECTION - B

IV. Write short notes on any SIX:**(6x5=30)**

21. Risks and complications of BAHA.
22. Types of electrode array.
23. Signal coding strategies.
24. Write a short note about post mapping Audiological evaluation.
25. Factors affecting outcome of CI.
26. Candidacy for Auditory brainstem implant.
27. Care, maintenance and troubleshooting of Cochlear implants.
28. ESRT and 'C' levels

(p.t.o.)

SECTION – C

V. Answer any TWO of the following :

(2x15=30)

29. Need for implantable hearing devices and the teams involved.
30. Cochlear Implants instead of Brainstem implants.
31. MEI - Components, types, candidacy & advantages.
32. ABI - Components, types, candidacy & advantages.

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