

[LJ 1016]

OCTOBER 2016

Sub. Code: 3016

**MASTER OF AUDIOLOGY & SPEECH LANGUAGE PATHOLOGY EXAMS  
SECOND YEAR  
PAPER VI – HEARING DEVICES**

*Q.P. Code : 433016*

**Time : Three hours**

**Maximum : 100 Marks**

**I. Elaborate on:**

**(2 x 20 = 40)**

1. A 35 years old male visits your clinic with a complaint of reduced hearing and ringing sensation in the right ear. Audiological results suggest bilateral mild sensorineural hearing loss with tinnitus matching at 2000 kHz. What further information would you obtain and if you were to give amplification devices, what are your features and options that you would select?
2. What is middle ear implant? Write on selection criteria, recommended assessment protocols, steps in management and outcomes of middle ear implants.

**II. Write notes on:**

**(10 x 6 = 60)**

1. Compare the advantages of digital signal processing over analogue processing in hearing aids.
2. Role of FM transmission in audiological rehabilitation.
3. Write briefly on importance of channels in hearing aids and channel separation.
4. Explain the technique of non linear amplification.
5. Describe the controls in the analog hearing aids.
6. List and describe the use of at least three visual ALDs used by hearing impaired.
7. Write about three speech coding strategies.
8. Write about ESRT and EABR and their role in Cochlear implant.
9. What is the selection criteria for BAHA?
10. What are the outcomes reported from middle ear implants?

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