

Q.P.Code: 205377

Reg. No.:.....

Second Year MASLP Degree Examinations, October 2013

Hearing Devices

Time : 3 hrs

Max marks : 80

- **Answer all questions**

Essays:

(4×16=64)

1. Describe the fundamentals of digital signal processing (DSP). Mention the advantages of a digital hearing aid. (16)
2. Explain how you will carry out the electro acoustic characteristics of nonlinear hearing aids. Mention briefly about the national and international standards. (8+8=16)
3. What is the function of an assistive listening device (ALD). Mention about the types of ALDS. (16)
4. Describe in detail about the types and features of cochlear implants (16)

Short notes:

(4×4=16)

5. Middle ear implants
6. Tinnitus maskers
7. Noise reduction in microphones
8. Assessment for brainstem implant
