

Q.P.Code: 205377

Reg. No.:.....

**Second Year MASLP Degree Supplementary Examinations
October 2018**

Hearing Devices

(2010 Scheme)

Time : 3 hrs

Max marks : 80

- **Answer all questions**

Essays:

(5x16=80)

1. What is sampling, quantization and binary code in digital signal processing. How these components of DSP are utilized in hearing aids
2. The necessary steps separately in programming digital and trimmer control hearing aids when patient complaints of tolerance problem to loud sounds. What is TILL and BILL. When do we activate these in hearing aid.
3. How to perform electroacoustic measurement (OOSPL 90, RTG, frequency response, EIN, battery drain) according to ANSI standard for BTE hearing aid
4. Define mapping. What is bipolar and monopolar electrodes. Mention the advantages and disadvantages of it.
5. Explain working principle of bone anchored hearing aid. Add a note on contraindication of bone anchored hearing aid.
