

Q.P. Code: 215377

Reg. No:.....

**Second Year MASLP Degree Supplementary Examinations
April 2019**

**Hearing Devices
(2016 Scheme)**

Time: 3 hrs

Max. Marks: 80

- **Answer all questions**
- **Draw diagrams wherever necessary**

Essays

(5x16=80)

1. Explain in detail the steps involved in digital to analogue conversion with neat block diagram.
2. Discuss the analogue and digital filters in detail.
3. What are the microphone based noise reduction techniques. Explain in detail.
4. Write an essay on different types of ALDs for hearing impaired and the advantage of them over hearing aids.
5. What are speech processing strategies in cochlear implants. Explain CIS in detail.
