

Reg. No.

MANIPAL UNIVERSITY

SECOND YEAR M.A.S.L.P. DEGREE EXAMINATION – DECEMBER 2016

**SUBJECT: SH 206 – HEARING DEVICES
(NEW REGULATION)**

Saturday, December 17, 2016

Time: 10:00 – 13:00 Hrs.

Max. Marks: 80

✍ **Answer ALL questions.**

1. Write a short note on advantages of digital signal processing.

OR

2. With a neat diagram explain the instrumentation for FM system and add a note on its application.

(16 marks)

3. With a neat diagram explain the working principle of analogue and digital hearing aids.

OR

4. Write a note on technology of channel separation and its advantage over single channel system.

(16 marks)

5A. Describe the effect of placement location of tactile transducers on perception.

5B. Enumerate the features in hearing aid that you would prefer for subjects with Meniere's disease.

(8+8 = 16 marks)

OR

6. What are the different methods to provide masking for individuals with tinnitus?

(16 marks)

7. Describe the current candidacy criteria for CI in adults and children.

OR

8. Describe the factors that influence the outcome of CI in postlingually deaf adults.

(16 marks)

9. Describe the preoperative testing and the role of each team members involved for MEI.

OR

10A. Describe the indication and contraindication for BAHA.

10B. Add a note on types of BAHA with its advantages and disadvantages.

(8+8 = 16 marks)

