

SECOND YEAR M.A.S.L.P. : SUMMER - 2019

SUBJECT: HEARING DEVICES

Day: Saturday
Date: 22/06/2019

Time: 10.00 AM TO 01.00 PM
Max. Marks: 80

S-2019-3997

N.B:

- 1) All questions are **COMPUSLORY**.
- 2) Figures to the right indicate **FULL** marks.
- 3) Answers to the two sections should be written in **SEPARATE** answer books.
- 4) Draw diagrams **WHEREVER** necessary.

SECTION-A

(L. A. Q.)

Q.1 Attempt **ANY FOUR** of the following: **(15 x 4 = 60)**

- a) Discuss the importance of NRT, ESRT, EABR and Sound processing strategies for post cochlear implant rehabilitation.
- b) Discuss in detail analogue vs digital signal processing and its application in audiology.
- c) Describe various EAC measurement procedures for hearing aids and ALD's along with its recent advances.
- d) Discuss the process of hearing aid selection and fitting with reference to specific clients.
- e) Discuss the fundamentals of communication systems in detail with appropriate examples.
- f) Discuss the selection procedure and management outcomes of middle ear implant, BAHA and ABI.

SECTION-B

(S.A.Q.)

Q.2 Write a note on **ANY FOUR** of the following; **(4 x 5 = 20)**

- a) EPD's
- b) Channel vs Bands in hearing aids and its implications
- c) Tinnitus maskers
- d) IIR & FIR filters
- e) Satellite communication
- f) National and International standards of EAC measurement

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