

**MASTER OF SCIENCE (AUDIOLOGY)**  
**M.Sc. (AUDIOLOGY) Sem-II :SUMMER- 2022**  
**SUBJECT : ADVANCES IN THE MANAGEMENT OF HEARING LOSS**

Day : Tuesday

Time : 10:00 AM-01:00 PM

Date : 20-09-2022

S-19542-2022

Max. Marks : 80

**N.B.**

- 1) All questions are **COMPULSORY**.
- 2) Figures to the **RIGHT** indicate **FULL** marks.
- 3) Draw diagrams **wherever** necessary.
- 4) Answer to both the sections should be written in **SEPARATE** answer book.
- 5) Answer written in the inappropriate answer sheets will not be assessed in any case.

**SECTION – A**

**Q.1** Attempt **ANY FOUR** out of Six (**4 x 15 = 60 marks**) .

- a) Define health related quality of life and explain about its utility measures with respect to hearing loss and hearing aid intervention.
- b) 'Hearing aid fitting and measuring outcomes in children with hearing loss and multiple disabilities is challenging.' Do you agree with the statement? Justify your stand.
- c) Explain in detail the criteria for selecting different auditory listening programs. Comment on adapting auditory verbal techniques for late identified children.
- d) Write in detail about recent advancements in hearing aid technology with respect to microphone directionality and signal processing techniques.
- e) Discuss the factors affecting speech perception through hearing aids and hearing devices.
- f) Explain the objective tests used for hearing aid fitting. Support your answer with help of research studies.

**SECTION – B**

**Q.2** Attempt **ANY FOUR** out of Six (**4 x 5 = 20 marks**) .

- a) Datalogging
- b) Hearing aid fitting in individuals with cochlear dead regions
- c) Channelfree processing technology in hearing aids.
- d) Communication strategies for adults with hearing loss
- e) Articulation Index
- f) Trouble shooting hearing aid for acoustic feedback issues

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