

**MASTER OF SCIENCE (AUDIOLOGY)**  
**M.Sc. (AUDIOLOGY) Sem-III : WINTER :- 2021**  
**SUBJECT: SPEECH PERCEPTION**

**Day : Saturday**  
**Date 29-01-2022**

**W-19546-2021**

**Time : 10:00 AM-01:00 PM**  
**Max. Marks: 80**

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**N.B.**

- 1) All questions are **COMPULSORY**.
  - 2) Figures to the **RIGHT** indicate **FULL** marks.
  - 3) Draw diagrams **WHEREVER** necessary.
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**Q.1** Attempt **ANY FOUR** out of six . **(4x15 = 60 marks)**

- a) Compare and contrast the segmental speech perception in normal hearing individuals and those with hearing loss.
- b) Describe various models of infant speech perception briefly and compare infant Speech perception with that of adults.
- c) Discuss suprasegmental and music perception in normal hearing individuals and individuals using cochlear implant.
- d) Explain the concept of dichotic listening and theories related to dichotic listening.
- e) Describe co-articulation of speech and its effect on speech perception in normal hearing individuals.
- f) Explain various theories of speech perception and illustrate which theory explains the human speech perception in best manner.

**Q.2** Write short note on **ANY FOUR** out of six . **(4x5 = 20 marks)**

- a) Normalization phenomenon of speech perception.
- b) Coding of speech cues at cortical level.
- c) Stages of memory and role of short term memory in speech perception.
- d) Vowel perception in normal hearing individuals and persons with hearing impairment.
- e) Animal perception
- f) Electrophysiological methods to study speech perception.

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