

**MASTER OF SCIENCE (AUDIOLOGY)**  
**M.Sc. (AUDIOLOGY) Sem-III : WINTER :- 2021**  
**SUBJECT: GENETICS OF HEARING & PEDIATRIC AUDIOLOGY**

**Day : Tuesday**  
**Date 25-01-2022**

**W-19544-2021**

**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. **(60)**

- a) Explain the various management options of children with mild hearing loss. Add a note on counseling for the same.
- b) Explain role of various health professional in diagnosis of hearing loss in children.
- c) 'One should not diagnose hearing loss in children based solely on electrophysiological assessment results.' Criticize the statement and comment.
- d) Explain any three speech audiometry procedure that can be used in pediatric population.
- e) How will you carry out neonatal and infant hearing screening in a hospital setup?
- f) Explain genotype and phenotype of any five syndromic hearing losses.

**Q.2** Attempt **ANY FOUR** out of six. **(20)**

- a) Importance of pedigree charting
- b) Genes involved in hearing
- c) Write a note on DNA structure.
- d) Write protocol for hearing screening in school children.
- e) What are the acquired causes of hearing loss in school children?
- f) What are the problems faced by children with hearing loss in school set up?

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