

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[AHS 1023]

OCTOBER 2023

Sub. Code: 2821

M.Sc. AUDIOLOGY
THIRD SEMESTER (From 2021-2022 onwards)
PAPER I – GENETICS OF HEARING AND PEADIATRIC AUDIOLOGY

Q.P. Code: 282821

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(2x20=40)

1. Screening for Central Auditory Processing Disorders in children and challenges faced by CAPD children.
2. Integration of results of behavioural and electrophysiological assessment of hearing.

II. Write notes on:

(10x6=60)

1. Gene mapping and its uses in audiology.
2. Gene database for hearing loss.
3. Genetic counselling.
4. Universal newborn hearing screening.
5. Genetic evaluation of persons with hearing loss.
6. Syndrome verses non - syndromic hearing loss in children.
7. Issues related to hearing screening in children.
8. Assessment of hearing in special populations.
9. Audiological diagnostic report in correlation with other related medical and non-medical evaluations.
10. Development of tests for speech audiometry in children.

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[AHS 0524]

MAY 2024

Sub. Code: 2821

**M.Sc. AUDIOLOGY
THIRD SEMESTER (From 2021-2022 onwards)
PAPER I – GENETICS OF HEARING AND PEADIATRIC AUDIOLOGY**

Q.P. Code: 282821

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(2x20=40)

1. Screening for hearing loss in school children.
2. Physiological tests of hearing evaluation for children.

II. Write notes on:

(10x6=60)

1. Phenotypes and genotypes of syndromic hearing loss.
2. Gene localization methods.
3. Genetic screening for families with hearing loss.
4. Protocols to identify sensory neural hearing loss in infants.
5. Speech audiometry in children.
6. Types and applications of OAE in children.
7. Issues related to diagnosis of hearing loss in children.
8. Counselling and management of children with mild hearing loss.
9. Challenges faced by children with conductive hearing loss.
10. Team members and role in diagnosis of hearing loss in children.

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[AHS 0525]

MAY 2025

Sub. Code:2821

M.Sc. AUDIOLOGY
THIRD SEMESTER (From 2021-2022 onwards)
PAPER I – GENETICS OF HEARING AND PEADIATRIC AUDIOLOGY

Q.P. Code: 282821

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(2x20=40)

1. Team members involved in assessment of hearing loss in children.
2. Issues related to assessment and diagnosis of hearing loss in children.

II. Write Short notes on:

(10x6=60)

1. Common genes which are related to hearing loss.
2. Types of gene.
3. Gene database for hearing loss.
4. Genetic screening.
5. Screening for hearing loss in school children.
6. International and national protocols to identify middle ear disorders.
7. Development of tests for speech audiometry in children.
8. Counselling for children with unilateral hearing loss and mild hearing loss.
9. Importance of behavioral assessment of hearing loss in children.
10. Problems faced by children with hearing loss in school setup.
