

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

[AHS 0523]

MAY 2023

Sub. Code: 2814

**M.Sc. AUDIOLOGY DEGREE EXAMINATION
SECOND SEMESTER (From 2021-2022 onwards)
PAPER IV - ADVANCES IN THE MANAGEMENT OF HEARING LOSS**

Q.P. Code: 282814

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(2x20=40)

1. Methods to improve speech perception through various hearing devices in children.
2. Audiological and non audiological management of persons with hyperacusis.

II. Write notes on:

(10x6=60)

1. Various electroacoustic measures of hearing aids.
2. Noise reduction algorithms in hearing aids available.
3. Pre selection factors in hearing aid fitting.
4. How to fit hearing aid to a patient with cochlear dead regions?
5. Factors influencing speech perception in children.
6. Care and maintenance of hearing aids and ALDs.
7. Ways to improve Quality of Life in hearing impaired.
8. TRT and neurophysiological model of tinnitus.
9. Management of children with visual and auditory impairment.
10. Indian standards for hearing aids.

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

[AHS 1023]

OCTOBER 2023

Sub. Code: 2814

M.Sc. AUDIOLOGY
SECOND SEMESTER (From 2021-2022 onwards)
PAPER IV - ADVANCES IN THE MANAGEMENT OF HEARING LOSS

Q.P. Code: 282814

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(2x20=40)

1. Hearing aid fitting for persons with different types of hearing loss.
2. Audiological and Non- audiological management of hyperacusis.

II. Write notes on:

(10x6=60)

1. Laser technology in ear mold production.
2. International standards for hearing aids.
3. Future technologies in hearing aids.
4. Speech cue enhancement methods.
5. AVT techniques for Indian Languages.
6. Counselling of users of hearing aids and assistive listening devices.
7. Variables related to rehabilitation of adults with hearing impairment.
8. Non- audiological management of tinnitus.
9. Pathophysiological and neurophysiological models of tinnitus.
10. Role of caregivers in management of multiple disability individuals with hearing impairment.

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

[AHS 1024]

OCTOBER 2024

Sub. Code: 2814

M.Sc. AUDIOLOGY
SECOND SEMESTER (From 2021-2022 onwards)
PAPER IV - ADVANCES IN THE MANAGEMENT OF HEARING LOSS

Q.P. Code: 282814

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(2x20=40)

1. Theories and assessment of tinnitus.
2. Hearing aid fitting for children.

II. Write notes on:

(10x6=60)

1. Nanotechnology in hearing aids.
2. Techniques to control acoustic feedback.
3. Use of ABR for hearing aid fitting.
4. Factors affecting speech perception through hearing devices.
5. Emerging technology for speech perception.
6. Care and maintenance of hearing assistive devices.
7. Auditory plasticity.
8. Quality of life of hearing impaired.
9. Management of children with hearing impairment with neuromotor problems.
10. Audiological management of tinnitus for individuals with normal hearing and their outcomes.

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

[AHS 1025]

OCTOBER 2025

Sub. Code: 2814

M.Sc. AUDIOLOGY
SECOND SEMESTER (From 2021-2022 onwards)
PAPER IV - ADVANCES IN THE MANAGEMENT OF HEARING LOSS

Q.P. Code: 282814

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(2x20=40)

1. Variables affecting electroacoustic measurements of hearing aids and its implications.
2. Management of children and adults with multiple disability.

II. Write notes on:

(10x6=60)

1. Application of compression and expansion in hearing aids.
2. Application of data logging in hearing aids.
3. Techniques to improve compatibility of hearing aids with mobile phones.
4. Non-audiological management of hyperacusis.
5. Validation of hearing aids.
6. Hearing aid fitting for persons with unilateral hearing loss.
7. Factors affecting speech perception through hearing aids and hearing devices.
8. Noise reduction algorithms in hearing aids.
9. Tinnitus retraining therapy.
10. Assertiveness training.
