

BACHELOR IN AUDIOLOGY AND SPEECH LANGUAGE PATHOLOGY

THIRD YEAR – SEMESTER - V

PAPER III – PAEDIATRIC AUDIOLOGY

Q.P. Code: 802373

Time: Three Hours

Maximum : 50 Marks

Answer All questions

I. Elaborate on:

(1 x 10 = 10)

1. Embryonic development of the ear.

II. Write notes on:

(5 x 5 = 25)

1. Neuroplasticity.
2. Impact of moderate to profound sensorineural hearing loss on auditory skills and speech-language development.
3. Principles of early intervention program.
4. Hearing screening in infants and toddlers.
5. Visual reinforcement audiometry.

III. Short answers on:

(5 x 3 = 15)

1. Prenatal hearing.
2. Hearing screening in school children.
3. TROCA.
4. Bone conduction speech audiometry.
5. Recording ASSR in paediatric population.

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

[AHS 0122]

**JANUARY 2022
(AUGUST 2021 EXAM SESSION)**

Sub. Code: 2373

**BACHELOR IN AUDIOLOGY AND SPEECH LANGUAGE PATHOLOGY
SEMESTER V – (Regulation form 2017-2018)
PAPER III – PAEDIATRIC AUDIOLOGY
*Q.P. Code: 802373***

Time: Three Hours

Answer ALL Questions

Maximum: 50 Marks

I. Elaborate on: **(1 x 10 = 10)**

1. Recording, interpretation and factors affecting ABR in paediatric population.

II. Write notes on: **(5 x 5 = 25)**

1. Infant speech perception.
2. Auditory disorders in special population and multiple handicap.
3. High risk register.
4. Behavioral observation audiometry.
5. Diagnostic test battery for different age groups.

III. Short answers on: **(5 x 3 = 15)**

1. Sensitivity and specificity of screening test.
2. Conditioned orientation reflex audiometry.
3. Speech recognition and speech perception tests developed in India.
4. Factors affecting OAE in paediatric population.
5. Recording ALLR in paediatric population.

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

[AHS 0922]

SEPTEMBER 2022

Sub. Code: 2373

(FEBRUARY 2022 & AUGUST 2022 EXAM SESSIONS)

**BACHELOR IN AUDIOLOGY AND SPEECH LANGUAGE PATHOLOGY
SEMESTER - V – (Regulation from 2017-2018)
PAPER III – PAEDIATRIC AUDIOLOGY
*Q.P. Code: 802373***

Time: Three Hours

Answer ALL Questions

Maximum: 50 Marks

I. Elaborate on:

(1 x 10 = 10)

1. Congenital and acquired causes of hearing loss in children.

II. Write notes on:

(5 x 5 = 25)

1. Normal auditory development from 0-2 years.
2. Unilateral hearing loss.
3. Principles of hearing screening.
4. Screening for CAPD.
5. Recording and interpretation of OAE in paediatric population.

III. Short answers on:

(5 x 3 = 15)

1. Incidence and prevalence of auditory disorders in children.
2. Hearing screening in school age children.
3. Play audiometry.
4. Immittance evaluation in paediatric population.
5. Recording AMLR in paediatric population.

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

[AHS 0423]

APRIL 2023

Sub. Code: 2373

BACHELOR IN AUDIOLOGY AND SPEECH LANGUAGE PATHOLOGY
SEMESTER - V – (Regulation 2017-2018 onwards)
PAPER III – PAEDIATRIC AUDIOLOGY
Q.P. Code: 802373

Time: Three Hours

Answer ALL Questions

Maximum: 50 Marks

I. Elaborate on: **(1 x 10 = 10)**

1. Signs, Symptoms and Audiological tests, findings for Auditory Neuropathy Spectrum disorders.

II. Write notes on: **(5 x 5 = 25)**

1. Unilateral Hearing Loss.
2. New born Hearing Screening.
3. Discuss test battery for Hearing Evaluation of a 4 year old child.
4. Speech Audiometry in Children.
5. Impedance - Screening in school children.

III. Short answers on: **(5 x 3 = 15)**

1. Cross check principle.
2. Reinforcement in Pure-tone Audiometry.
3. False Positive and False Negative response.
4. Three causes of Congenital Hearing Loss.
5. Speech Detection vs Speech Reception Threshold.

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

[AHS 1123]

NOVEMBER 2023

Sub. Code: 2373

BACHELOR IN AUDIOLOGY AND SPEECH LANGUAGE PATHOLOGY
SEMESTER - V – (Regulation 2017-2018 onwards)
PAPER III – PAEDIATRIC AUDIOLOGY
Q.P. Code: 802373

Time: Three Hours

Answer ALL Questions

Maximum: 50 Marks

I. Elaborate on: **(1 x 10 = 10)**

1. Instrumentation, testing protocols and interpretation of Click and Toneburst Auditory Brainstem Response Testing in Children.

II. Write notes on: **(5 x 5 = 25)**

1. Assessment of Hearing Loss in Special Population.
2. VRA.
3. Normal Auditory Development in Infants.
4. Pseudohypocosis.
5. JCIH.

III. Short answers on: **(5 x 3 = 15)**

1. Critical age.
2. ASSR.
3. Test stimuli used, responses in Pure-tone Audiometry in Children.
4. Test materials for Speech Audiometry in Children.
5. Importance of Studying Embryology.

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

[AHS 1125]

NOVEMBER 2025

Sub. Code: 2373

BACHELOR IN AUDIOLOGY AND SPEECH LANGUAGE PATHOLOGY

SEMESTER - V – (Regulation 2017-2018 onwards)

PAPER III – PAEDIATRIC AUDIOLOGY

Q.P. Code: 802373

Time: Three Hours

Answer ALL Questions

Maximum: 50 Marks

I. Elaborate on:

(1 x 10 = 10)

1. Auditory Neuropathy Spectrum disorder – Signs and Symptoms assessment and Management.

II. Write notes on:

(5 x 5 = 25)

1. Embryology of inner ear with diagram.
2. Moderate to profound SNHL (Sensorineural Hearing Loss).
3. Principles of hearing screening.
4. Behavior observation audiometry.
5. Assessment of hearing loss in multiple handicapped children.

III. Short answers on:

(5 x 3 = 15)

1. Cross check principle.
2. Treacher Collin's syndrome.
3. Dichotic Digit test.
4. MLR (Middle Latency Response).
5. Impact of unilateral hearing loss in children.
