[LP 0819] AUGUST 2019 **Sub. Code: 2363**

BACHELOR IN AUDIOLOGY AND SPEECH LANGUAGE PATHOLOGY

SECOND YEAR – SEMESTER - IV

PAPER III – DIAGNOSTIC AUDIOLOGY – PHYSIOLOGICAL TESTS

Q.P. Code: 802363

Time: Three Hours **Maximum : 50 Marks**

Answer All questions

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

1. Explain auditory brainstem response and factors affecting them in detail.

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

1. Electrocochleography.
2. Williams pressure swallow test.
3. Interpretation of TEOAE and DPOAE.
4. Vestibular evoked myogenic potentials.
5. Video head impulse test.

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

1. Positional tests.
2. P 300.
3. Classification of OAE's.
4. Reflex Decay test.
5. Valsalva test.

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[LQ 0220] FEBRUARY 2020 **Sub. Code: 2363**

BACHELOR IN AUDIOLOGY AND SPEECH LANGUAGE PATHOLOGY

SECOND YEAR – SEMESTER - IV

PAPER III – DIAGNOSTIC AUDIOLOGY – PHYSIOLOGICAL TESTS

Q.P. Code: 802363

Time: Three Hours **Maximum : 50 Marks**

Answer All questions

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

1. Explain stimulus, recording, interpretation and clinical application of Otoacoustic emissions in detail.

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

1. Multicomponent tympanometry.
2. Protocol for ABR recording in Infants.
3. Central vestibular tests in video nystagmography.
4. Clinical application of long latency responses.
5. Caloric test.

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

1. Components of electrocochleography.
2. Eustachian tube function tests.
3. Electrode montage in ABR recording.
4. Mis-match negativity.
5. Dynamic posturography.

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

[AHS 0321] MARCH 2021 Sub. Code: 2363

(AUGUST 2020 EXAM SESSION)

BACHELOR IN AUDIOLOGY AND SPEECH LANGUAGE PATHOLOGY

SEMESTER - IV (Regulation 2017-2018)

PAPER III – DIAGNOSTIC AUDIOLOGY – PHYSIOLOGICAL TESTS

Q.P. Code : 802363

Time: Three hours **Answer ALL Questions** **Maximum: 50 Marks**

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

1. Explain Tympanometry and its Clinical application in detail.

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

1. Wide Band tympanometry.
2. Classification of AEPS and its clinical application.
3. Automated auditory Brainstem responses.
4. Caloric test.
5. Long latency responses.

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

1. Dynamic Posturography.
2. Spontaneous Otoacoustic emissions.
3. Interpretation of ASSR.
4. Ipsilateral Vs Contralateral Acoustic reflexes.
5. Maturation of Auditory Brainstem response.

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

[AHS 0222] **FEBRUARY 2022** **Sub. Code: 2363**
(AUGUST 2021 EXAM SESSION)

BACHELOR IN AUDIOLOGY AND SPEECH LANGUAGE PATHOLOGY
SEMESTER - IV (Regulation 2017-2018)
PAPER III – DIAGNOSTIC AUDIOLOGY – PHYSIOLOGICAL TESTS
Q.P. Code : 802363

Time: Three hours **Answer ALL Questions** **Maximum: 50 Marks**

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

1. Explain the principle, instrumentation and protocols for recording auditory evoked potentials.

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

1. Acoustic reflex testing.
2. Role of auditory brainstem responses in screening and diagnosis of hearing loss.
3. Event related potentials and their applications.
4. Vestibular evoked myogenic potential.
5. Clinical applications of otoacoustic emissions.

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

1. Video head impulse test.
2. Rotatory chair test.
3. Components of electrocochleography responses.
4. Multifrequency tympanograms.
5. Toynbee test.

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

[AHS 0922] SEPTEMBER 2022 Sub. Code: 2363
(FEBRUARY 2022 & AUGUST 2022 EXAM SESSIONS)

BACHELOR IN AUDIOLOGY AND SPEECH LANGUAGE PATHOLOGY
SEMESTER IV – (Regulation from 2017-2018)
PAPER III – DIAGNOSTIC AUDIOLOGY – PHYSIOLOGICAL TESTS

Q.P. Code: 802363

Time: Three Hours Answer ALL Questions Maximum: 50 Marks

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

1. Explain the principle, instrumentation and protocols for recording Electronystagmography.

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

1. Classification of tympanograms.
2. Stimulus delivery and recording system in auditory evoked potentials.
3. Mismatch negativity.
4. Contralateral suppression of otoacoustic emissions and its clinical applications.
5. Rotatory chair test.

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

1. Multicomponent tympanometry.
2. Auditory brainstem response generators.
3. Middle latency responses.
4. Instrumentation of DPOAE.
5. Central pathways for vestibular evoked myogenic potentials.

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

[AHS 0423] **APRIL 2023** **Sub. Code: 2363**

BACHELOR IN AUDIOLOGY AND SPEECH LANGUAGE PATHOLOGY
SEMESTER IV – (Regulation 2017-2018 onwards)
PAPER III – DIAGNOSTIC AUDIOLOGY – PHYSIOLOGICAL TESTS
Q.P. Code: 802363

Time: Three Hours **Answer ALL Questions** **Maximum: 50 Marks**

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

1. Explain Electrocochleography Procedure, Protocol and its Applications in detail.

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

1. Role of Auditory Brainstem Response in Hearing Threshold Estimation.
2. Factors affecting auditory steady state responses.
3. William Pressure Swallow Test.
4. Spontaneous Otoacoustic Emissions.
5. Caloric Test Procedure and Interpretation.

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

1. Type of Nystagmus associated with Benign Paroxysmal Positional Vertigo.
2. Complex Auditory Brainstem Responses.
3. Neurodiagnostic protocol in Auditory Brainstem Response.
4. Classification of Otoacoustic Emissions.
5. Wide Band Tympanometry.

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

[AHS 1123] **NOVEMBER 2023** **Sub. Code: 2363**

BACHELOR IN AUDIOLOGY AND SPEECH LANGUAGE PATHOLOGY
SEMESTER IV – (Regulation 2017-2018 onwards)
PAPER III – DIAGNOSTIC AUDIOLOGY – PHYSIOLOGICAL TESTS
Q.P. Code: 802363

Time: Three Hours **Answer ALL Questions** **Maximum: 50 Marks**

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

1. Explain the instrumentation, procedure and interpretation of the Tympanogram in detail.

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

1. Draw a neat diagram of the Acousticreflex pathway and explain its functions.
2. Various factors affecting auditory brainstem response.
3. Procedure to record electrocochleography.
4. Spontaneous ototacoustic emissions.
5. Procedure and interpretation of Caloric test.

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

1. Dynamic posturography.
2. Role of otoacoustic emission in audiological diagnosis.
3. Differential amplification.
4. Inflation – deflation test.
5. Brainstem responses to speech stimuli.

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

[AHS 0424] **APRIL 2024** **Sub. Code: 2363**

BACHELOR IN AUDIOLOGY AND SPEECH LANGUAGE PATHOLOGY
SEMESTER IV – (Regulation 2017-2018 onwards)
PAPER III – DIAGNOSTIC AUDIOLOGY – PHYSIOLOGICAL TESTS
Q.P. Code: 802363

Time: Three Hours **Answer ALL Questions** **Maximum: 50 Marks**

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

1. Explain the Instrumentation, Procedure and Interpretation for Acoustic Reflex testing.

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

1. Special tests with Acoustic Reflexes.
2. Methods to Improve Signal to Noise Ratio in Auditory Evoked Potentials.
3. Cognitive Evoked Potentials.
4. Physiological mechanisms of Otoacoustic Emissions.
5. Principles for Recording Video Head Impulse.

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

1. Ocular Vestibular Evoked Myogenic Potentials.
2. Otoacoustic Emissions in Hearing Screening.
3. T complex.
4. Protocol for recording Auditory Brainstem Response in Neonates.
5. Normative for Tympanograms.

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

[AHS 1125] **NOVEMBER 2025** **Sub. Code: 2363**

BACHELOR IN AUDIOLOGY AND SPEECH LANGUAGE PATHOLOGY
SEMESTER IV – (Regulation 2017-2018 onwards)
PAPER III – DIAGNOSTIC AUDIOLOGY – PHYSIOLOGICAL TESTS
Q.P. Code: 802363

Time: Three Hours **Answer ALL Questions** **Maximum: 50 Marks**

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

1. Construct a Physiological test battery for the Assessment of Vestibular System and Explain its Procedure in detail.

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

1. Classification and Clinical Application of Tympanogram.
2. Multicomponent Tympanograms.
3. Usefulness of Auditory Brainstem Responses in Auditory Neuro Diagnostic Evaluation.
4. Clinical Application of Auditory Cortical Evoked Potentials.
5. Origin, Classification and Instrumentation for Recording Otoacoustic emissions.

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

1. Auditory Steady State Responses.
2. Clinical Applications of Contralateral Suppression of Otoacoustic Emissions.
3. Clinical Applications of Cervical Vestibular Evoked Myogenic Potentials.
4. William Pressure Swallow Test.
5. Admittance.

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