[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	
I.	El	Answer All questions aborate on:	(1 x 10 = 10)	
	1.	Explain auditory brainstem response and factors affecting	them in detail.	
II.	W	rite notes on:	$(5 \times 5 = 25)$	
	1.	Electrocochleography.		
	2.	Williams pressure swallow test.		
	3.	Interpretation of TEOAE and DPOAE.		
	4.	Vestibular evoked myogenic potentials.		
	5.	Video head impulse test.		
III	. Sl	nort 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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# PAPER III – DIAGNOSTIC AUDIOLOGY – PHYSIOLOGICAL TESTS

## Q.P. Code: 802363

Time: Three Hours			Maximum : 50 Marks	
I.	Ela	aborate on:	(1 x 10 = 10)	
	1.	Explain stimulus, recording, interpretation and clinical app Otoacoustic emissions in detail.	lication of	
II.	W	rite notes on:	$(5 \times 5 = 25)$	
	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	[ <b>. S</b> ł	nort 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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#### [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		Three hours	Answer ALL Questions	Maximum: 50 Marks
I.	. Elaborate on:			(1 x 10 = 10)
	1.	Explain Tympanome	etry and its Clinical application in	detail.
II.	W	rite notes on:		(5 x 5 = 25)
	1.	Wide Band tympanc	ometry.	
	2.	Classification of AI	EPS and its clinical application.	
	3.	Automated auditory	Brainstem responses.	
	4.	Caloric test.		
	5.	Long latency respon	ses.	
III	[. Sł	nort answers on:		(5 x 3 = 15)
	1.	Dynamic Posturogra	iphy.	
	2.	Spontaneous Otoaco	oustic emissions.	
	3.	Interpretation of AS	SR.	
	4.	Ipsilateral Vs Contra	alateral Acoustic reflexes.	
	5.	Maturation of Audit	tory Brainstem response.	

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[AHS 0222]FEBRUARY 2022Sub. 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:		$(1 \times 10 = 10)$
1. Explain the princip evoked potentials.	le, instrumentation and protoco	ls for recording auditory
II. Write notes on:		$(5 \times 5 = 25)$
1. Acoustic reflex test	ing.	
2. Role of auditory bra	ainstem responses in screening	and diagnosis of hearing loss.
3. Event related poten	tials and their applications.	
4. Vestibular evoked	nyogenic potential.	
5. Clinical application	s of otoacoustic emissions.	

# III. Short answers on:

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

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 $(5 \times 3 = 15)$ 

# [AHS 0922]SEPTEMBER 2022Sub. 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	Hour	s Ans	wer ALL Question	IS	Maxim	um: 5	0 Marks
I.	Elaborate o	n:					(1	x 10 = 10)
	1. Explain Electrony	the stagm	principle, lography.	instrumentation	and	protocols	for	recording

 $(5 \times 5 = 25)$ 

 $(5 \times 3 = 15)$ 

#### **II.** Write notes on:

- 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:**

- 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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# [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 Electrococh	leography Procedure, Protocol a	nd its Applications in detail.
II	Write notes on:		$(5 \times 5 = 25)$

- 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:

1. Type of Nystagmus associated with Benign Paroxysmal Positional Vertigo.

 $(5 \times 3 = 15)$ 

- 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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#### [AHS 1123]

NOVEMBER 2023

Sub. Code: 2363

 $(5 \times 5 = 25)$ 

 $(5 \times 3 = 15)$ 

#### 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:		$(1 \times 10 = 10)$

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

#### **II.** Write notes on:

- 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:**

- 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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