

All India Institute of Speech and Hearing

Notations :

- 1.Options shown in green color and with ✓ icon are correct.
- 2.Options shown in red color and with ✗ icon are incorrect.

Question Paper Name :	M Sc AUD 13th September 2021 Shift 1
Subject Name :	M.Sc - AUD
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Rough Sketch/Notepad Required? :	No
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M.Sc - AUD

Group Number : 1

Group Id : 21585713
<https://exams.freshersnow.com/category/entrance-exam-question-papers/>

Group Maximum Duration :	0
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Show Attended Group? :	No
Edit Attended Group? :	No
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Group Marks :	100
Is this Group for Examiner? :	No

Part-A

Section Id :	21585737
Section Number :	1
Section type :	Online
Mandatory or Optional :	Mandatory
Number of Questions :	20
Number of Questions to be attempted :	20
Section Marks :	20
Enable Mark as Answered Mark for Review and Clear Response :	Yes
Sub-Section Number :	1
Sub-Section Id :	21585737
Question Shuffling Allowed :	Yes

Question Number : 1 Question Id : 2158571321 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0.25

The peripheral processes of the spiral ganglion cells are _____ until they enter the organ of Corti through the Habenula perforata.

Options :

1.  myelinated

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2. ✘ unmyelinated
3. ✘ polarized
4. ✘ hyperpolarized

Question Number : 2 Question Id : 2158571322 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0.25

Ability to check a currently administered measuring instrument against a future outcome is _____ .

Options :

1. ✘ external validity
2. ✔ predictive criterion-related validity
3. ✘ concurrent criterion-related validity
4. ✘ construct validity

Question Number : 3 Question Id : 2158571323 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0.25

RET SPL value is more for which of the following frequency for TDH-39 head phones?

Options :

1. ✘ 8000 Hz
2. ✘ 4000 Hz
3. ✘ 6000 Hz
4. ✔ 250 Hz

Question Number : 4 Question Id : 2158571324 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0.25

Normal cochlea demonstrates _____ behaviour and frequency specificity at _____ stimulus levels.

Options :

1. ✘ Linear; low
2. ✘ Non-linear; high
3. ✘ linear; high
4. ✔ non-linear; low

Question Number : 5 Question Id : 2158571325 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0.25

Which of the following syndromes have primary dysfunction of the melanocytes?

Options :

1. ✔ Waardenburg syndrome
2. ✘ Pendred syndrome
3. ✘ Jervell and Lange-Nielsen syndrome
4. ✘ Alport syndrome

Question Number : 6 Question Id : 2158571326 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0.25

In a population of 1000 newborns, 100 had hearing impairment whereas 900 were normal. Among the neonates with hearing impairment, a hearing screening test revealed positive results in 70 and negative results in the remaining 30. Among the normal hearing neonates, positive results were obtained in 180 and negative results in 720. The predictive value of positive test result using this test is_____ percentage.

Options :

1. ✘ 79
2. ✘ 80
3. ✔ 28
4. ✘ 96

Question Number : 7 Question Id : 2158571327 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0.25

Research in which a retrospective search of the cause of event is made without an independent variable _____ .

Options :

1. ✘ Normative research
2. ✘ Systematic reviews
3. ✘ Meta-analysis
4. ✔ Ex post facto research

Question Number : 8 Question Id : 2158571328 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0.25

20 dB IL corresponds to an intensity of _____ if the reference sound intensity is 10^{-12} W/m^2 .

Options :

1. ✘ 10^{-12} W/m^2
2. ✔ 10^{-10} W/m^2
3. ✘ 10^{-14} W/m^2
4. ✘ 10^{-8} W/m^2

Question Number : 9 Question Id : 2158571329 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0.25

Human middle ear effectively transmits _____ frequency range to the inner ear

Options :

1. ✘ 500 to 1000 Hz
2. ✘ 1000 to 2000 Hz
3. ✔ 1000 to 4000 Hz
4. ✘ 2000 to 5000 Hz

Question Number : 10 Question Id : 2158571330 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0.25

Which of the following is not a symptom of CHARGE spectrum of congenital deficits?

Options :

1. ✔ Retinitis pigmentosa
2. ✘ Genital hypoplasia
3. ✘ Atretic choanae
4. ✘ Coloboma

Question Number : 11 Question Id : 2158571331 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0.25

Reverberation time refers to the amount of time it takes for a steady state sound to _____.

Options :

1. ✘ increase by 40 dB from its peak amplitude
2. ✘ decrease by 30 dB from its peak amplitude
3. ✔ decrease by 60 dB from its peak amplitude
4. ✘ increase by 60 dB from its peak amplitude

Question Number : 12 Question Id : 2158571332 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0.25

Which among the following study types always have a backward directionality?

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Options :

1. ✓ Case control studies
2. ✗ Cohort studies
3. ✗ Clinical trials
4. ✗ Longitudinal studies

Question Number : 13 Question Id : 2158571333 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0.25

Which among the following is a non-genetic cause of congenital hearing loss?

Options :

1. ✗ Craniocervical dysplasia
2. ✗ Mondini dysplasia
3. ✓ Rubella
4. ✗ Krabbe disease

Question Number : 14 Question Id : 2158571334 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0.25

Peak-to-peak amplitude of sine wave is equal to _____.

Options :

1. ✓ $2 (\text{rms} \times 1.414)$
2. ✗ $2 / (\text{rms} \times 1.414)$
3. ✗ $\sqrt{2}(\text{rms} \times 1.414)$
4. ✗

$$\sqrt{2}/(\text{rms} \times 1.414)$$

Question Number : 15 Question Id : 2158571335 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0.25

The cut-off frequency of any filter is defined as the frequency in which the power falls to _____ percentage of the peak value.

Options :

1. ✘ 3
2. ✔ 50
3. ✘ 75
4. ✘ 90

Question Number : 16 Question Id : 2158571336 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0.25

Sensory hair cells in the utricle are located in the _____ .

Options :

1. ✘ Cupula
2. ✔ Macula
3. ✘ Otoconia
4. ✘ Striola

Question Number : 17 Question Id : 2158571337 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0.25

The technical name for a cause in research is _____ .

Options :

1. ✘ dependent variable
2. ✔ independent variable
3. ✘ intervening variable
4. ✘ assigned variable

Question Number : 18 Question Id : 2158571338 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0.25

A 40 year old male complains of fluctuating hearing loss, giddiness and tinnitus. The possible etiology of hearing loss is _____.

Options :

1. ✘ Ototoxicity
2. ✔ Menieres Disease
3. ✘ Auditory neuropathy
4. ✘ Acoustic neuroma

Question Number : 19 Question Id : 2158571339 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0.25

NBS 9A coupler has a natural resonance at _____.

Options :

1. ✘ 2000 Hz
2. ✘ 4000 Hz
3. ✔ 6000 Hz
4. ✘ 8000 Hz

Question Number : 20 Question Id : 2158571340 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0.25

Hearing impairment is closely associated with _____, while hearing handicap refers to
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Options :

- ✘ interference in communication / hearing ; hearing level
- ✘ psychological aspects; physical aspects
- ✔ hearing level; interference in communication / hearing
- ✘ community; the individual

Part-B

Section Id :	21585738
Section Number :	2
Section type :	Online
Mandatory or Optional :	Mandatory
Number of Questions :	10
Number of Questions to be attempted :	10
Section Marks :	10
Enable Mark as Answered Mark for Review and Clear Response :	Yes
Sub-Section Number :	1
Sub-Section Id :	21585738
Question Shuffling Allowed :	Yes

Question Number : 21 Question Id : 2158571341 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0.25

The essential difference between social learning and associative learning theories is that social learning includes _____ factors.

Options :

- ✘ attention
- ✔ cognition

- ✘ motivation
- ✘ reproduction

Question Number : 22 Question Id : 2158571342 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0.25

Most susceptible ossicle destruction in chronic suppurative otitis media is the _____ .

Options :

- ✘ neck of malleus
- ✘ short process of incus
- ✔ long process of incus
- ✘ neck of stapes

Question Number : 23 Question Id : 2158571343 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0.25

In the intra-axial brainstem disorders _____.

Options :

- ✘ both ipsi as well as contralateral reflexes are absent
- ✘ both ipsi as well as contralateral reflexes are present
- ✘ only ipsilateral reflexes are absent
- ✔ only contralateral reflexes are absent

Question Number : 24 Question Id : 2158571344 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0.25

In an SR flip-flop, in what condition of input does the output remains in the same state?

Options :

- ✘ $S=0, R=1$
- ✘ $S=1, R=0$

3. ✓ S=0, R=0

4. ✗ S=1, R=1

Question Number : 25 Question Id : 2158571345 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0.25

In the English word 'children', a possible analysis is into root 'child' and plural suffix '-en'; the residual element /r/ left by this analysis is then seen as a/an:

Options :

1. ✓ Empty morph

2. ✗ Zero morph

3. ✗ Allo morph

4. ✗ Portmanteau morph

Question Number : 26 Question Id : 2158571346 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0.25

The word 'instead' in the sentence, 'He chose to study Malayalam instead of Hindi', is an example of _____ .

Options :

1. ✗ causal

2. ✓ disjunctive

3. ✗ adversative

4. ✗ additive

Question Number : 27 Question Id : 2158571347 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0.25

If room dimensions are given in feet, what is the formula for reverberation time?

Options :

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1. ✘ $RT=0.041\frac{V}{A}$

2. ✘ $RT=0.061\frac{V}{A}$

3. ✔ $RT=0.049\frac{V}{A}$

4. ✘ $RT=0.040\frac{V}{A}$

Question Number : 28 Question Id : 2158571348 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0.25

In theory of classical conditioning CR stands for _____ .

Options :

1. ✘ converted response
2. ✘ conditioned reflex
3. ✘ combined response
4. ✔ conditioned response

Question Number : 29 Question Id : 2158571349 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0.25

Lower motor neurons are designated as _____ .

Options :

1. ✘ first order neurons
2. ✔ second order neurons

3. ✖ third order neurons

4. ✖ first and second order neurons

Question Number : 30 Question Id : 2158571350 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0.25

Multiple perforation of tympanic membrane is characteristic of which type of otitis media?

Options :

1. ✖ Staphylococcal

2. ✖ Streptococcal

3. ✔ Tuberculosis

4. ✖ Pneumococcal

Part-C

Section Id :	21585739
Section Number :	3
Section type :	Online
Mandatory or Optional :	Mandatory
Number of Questions :	70
Number of Questions to be attempted :	70
Section Marks :	70
Enable Mark as Answered Mark for Review and Clear Response :	Yes
Sub-Section Number :	1
Sub-Section Id :	21585739
Question Shuffling Allowed :	Yes

Question Number : 31 Question Id : 2158571351 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

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Correct Marks : 1 Wrong Marks : 0.25

While measuring acoustic reflexes in an ear with conductive hearing loss _____ is seen.

Options :

1. ✘ probe effect
2. ✘ sound effect
3. ✔ both probe and sound effect
4. ✘ neither probe nor sound effect

Question Number : 32 Question Id : 2158571352 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0.25

Which of the following test does not assess binaural interaction?

Options :

1. ✘ Binaural fusion test
2. ✘ Masking Level Difference
3. ✔ Competing sentence test
4. ✘ Rapidly alternating speech perception test

Question Number : 33 Question Id : 2158571353 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0.25

Competing Sentence Test (CST) is administered at a message-to-competition ratio of _____ .

Options :

1. ✘ -10 dB
2. ✔ -15 dB
3. ✘ -20 dB
4. ✘ -5 dB

Question Number : 34 Question Id : 2158571354 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

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Correct Marks : 1 Wrong Marks : 0.25

In synchronized SOAEs, OAEs are analyzed in the latency region of _____.

Options :

1. ✘ 10 to 20 ms
2. ✘ 0 to 20 ms
3. ✘ 5 to 30 ms
4. ✔ 60 to 80 ms

Question Number : 35 Question Id : 2158571355 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0.25

The primary objective of expansion in hearing aid is _____ .

Options :

1. ✘ to reduce the loudness discomfort
2. ✘ to optimize the Maximum Power Output
3. ✔ to decrease audibility of low-level sounds
4. ✘ to decrease the audibility of high level sounds

Question Number : 36 Question Id : 2158571356 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0.25

A 675 size battery typically has a power of _____ mAH, whereas 13 size battery has a power of _____ mAH

Options :

1. ✘ 800 ; 400
2. ✔ 600 ; 255
3. ✘ 255 ; 600
4. ✘ 255 ; 500

Question Number : 37 Question Id : 2158571357 Question Type : MCQ Option Shuffling : No Is

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Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0.25

An excessively high electrode impedance of the cochlear implant indicates _____ .

Options :

1. ✘ two electrodes in contact with each other
2. ✘ short circuit
3. ✔ open circuit
4. ✘ acceptable impedance limit

Question Number : 38 Question Id : 2158571358 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0.25

Which of the following is an example of systematic, structured communication interaction?

Options :

1. ✘ Dyalog
2. ✘ LiPS
3. ✔ QUEST?AR
4. ✘ SKI-HI

Question Number : 39 Question Id : 2158571359 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0.25

The speech reading training method in which the speech sounds are categorized according to their visible characteristics is _____ .

Options :

1. ✘ Bruhn method
2. ✔ Mueller- Walle method
3. ✘ Nitchie method
4. ✘ Jena method

Question Number : 40 Question Id : 2158571360 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0.25

According to the Gazette notification of the GOI (2018), based on the input from the Ministry of Social Justice and Empowerment, the Medical Authority for certifying hearing disability shall comprise of _____ .

Options :

1. ✓ Medical Superintendent or Chief Medical Officer or Civil Surgeon or equivalent authority, ENT Specialist and Audiologist
2. ✗ Medical Superintendent or Chief Medical Officer or Civil Surgeon or equivalent authority and ENT Specialist
3. ✗ ENT Specialist and Audiologist
4. ✗ Medical Superintendent or Chief Medical Officer or Civil Surgeon or equivalent authority and Audiologist

Question Number : 41 Question Id : 2158571361 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0.25

Input stage compression is more appropriate for _____ hearing loss.

Options :

1. ✗ severe
2. ✓ mild to moderate
3. ✗ moderate to severe
4. ✗ profound

Question Number : 42 Question Id : 2158571362 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0.25

The Eustachian tube develops from the _____ .

Options :

1. ✗ IV pharyngeal pouch

2. ✘ III pharyngeal pouch
3. ✘ V pharyngeal pouch
4. ✔ I pharyngeal pouch

Question Number : 43 Question Id : 2158571363 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0.25

For output compression hearing aids, the volume control does not affect the _____.

Options :

1. ✔ Maximum Power Output
2. ✘ gain
3. ✘ compression threshold
4. ✘ compression ratio

Question Number : 44 Question Id : 2158571364 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0.25

Otoacoustic emissions reflect the _____ of cochlea.

Options :

1. ✘ afferent activation
2. ✘ linear mechanism
3. ✘ passive mechanism
4. ✔ active mechanism

Question Number : 45 Question Id : 2158571365 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0.25

ASSR threshold is lowest at _____ .

Options :

1. ✘ 500 Hz

2. ✘ 4 kHz
3. ✔ 2 kHz
4. ✘ 3 kHz and 4 kHz

Question Number : 46 Question Id : 2158571366 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0.25

The intensity of noise presented to the contralateral ear in the 'Supra threshold Adaptation Test' (STAT) is _____.

Options :

1. ✘ 90 dB HL
2. ✔ 90 dB SPL
3. ✘ 110 dB HL
4. ✘ 110 dB SPL

Question Number : 47 Question Id : 2158571367 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0.25

In which type of tympanogram, is the gradient comparable to that of type 'A' tympanogram?

Options :

1. ✘ B
2. ✔ C
3. ✘ As
4. ✘ D

Question Number : 48 Question Id : 2158571368 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0.25

Dix-Hallpike maneuver is primarily a clinical test for _____.

Options :

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1. ✘ lateral canal cupulolithiasis BPPV
2. ✘ lateral canal canalolithiasis BPPV
3. ✔ posterior canal BPPV
4. ✘ Superior canal BPPV

Question Number : 49 Question Id : 2158571369 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0.25

Benign paroxysmal vertigo of childhood is a sub-type of _____.

Options :

1. ✘ vestibular Schwannoma
2. ✔ migraine
3. ✘ vestibular paroxysmia
4. ✘ Benign Paroxysmal Positional Vertigo

Question Number : 50 Question Id : 2158571370 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0.25

Which of the following statement is not true with respect to input stage compression?

Options :

1. ✘ Compression knee point does not change when the volume control is raised.
2. ✘ Maximum Power Output changes when the volume control is raised.
3. ✘ Most often input stage compression is used in conjunction with wide dynamic compression.
4. ✔ Input stage compression is highly preferred for individuals with severe to profound hearing loss with narrow dynamic range.

Question Number : 51 Question Id : 2158571371 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0.25

Vents are designed to provide _____.

Options :

1. ✘ high cut to frequency response
2. ✔ low cut to frequency response
3. ✘ low pass to frequency response
4. ✘ band stop to frequency response

Question Number : 52 Question Id : 2158571372 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0.25

The signal processing strategy in the cochlear implant that provides fine structure processing in a few apical channels is _____.

Options :

1. ✘ CIS
2. ✔ FS4
3. ✘ HDCIS
4. ✘ ACE

Question Number : 53 Question Id : 2158571373 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0.25

Current steering technology by simultaneous stimulation of two neighbouring electrodes in a cochlear implant attempts to _____.

Options :

1. ✘ reduce power consumption
2. ✔ increase the number of perceptual channels
3. ✘ increase loudness perceived
4. ✘ reduce the number of perceptual channels

Question Number : 54 Question Id : 2158571374 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0.25

Cued speech consists of _____ hand configurations and _____ hand placements.

Options :

1. ✓ 8 ; 4
2. ✗ 6 ; 4
3. ✗ 4 ; 8
4. ✗ 4 ; 6

Question Number : 55 Question Id : 2158571375 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0.25

Group of words that look alike on the face and have approximately the same frequency of occurrence are called _____ .

Options :

1. ✓ visual lexical neighborhoods
2. ✗ auditory lexical neighbourhoods
3. ✗ visemes
4. ✗ audiovisual lexical neighbourhood

Question Number : 56 Question Id : 2158571376 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0.25

In _____ technique, the listener repeats verbatim text presented by the speaker.

Options :

1. ✗ repair strategies
2. ✓ continuous discourse tracking
3. ✗ anticipatory strategies
4. ✗ facilitative strategies

Question Number : 57 Question Id : 2158571377 Question Type : MCQ Option Shuffling : No Is

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Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0.25

According to JCIH (2019) guidelines, for infants who pass the newborn hearing screening, temporal bone radiological imaging is indicated to _____ .

Options :

1. ✘ identify lesions of the central nervous system that require medical or surgical intervention for the overall health of the patient only
2. ✘ identify anatomical markers for progression, and identify lesions of the central nervous system that require medical or surgical intervention for the overall health of the patient only
3. ✔ identify anatomical markers for progression, predict prognosis from interventions such as amplification and or cochlear implantation, and identify lesions of the central nervous system that require medical or surgical intervention for the overall health of the patient
4. ✘ predict prognosis from interventions such as amplification and or cochlear implantation, and identify lesions of the central nervous system that require medical or surgical intervention for the overall health of the patient only

Question Number : 58 Question Id : 2158571378 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0.25

Persistent negative tympanometric peak pressure beyond -200 daPa are directly related to _____ .

Options :

1. ✘ reversible ear drum abnormalities
2. ✔ irreversible ear drum abnormalities
3. ✘ reversible ossicular chain abnormalities
4. ✘ irreversible ossicular chain abnormalities

Question Number : 59 Question Id : 2158571379 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0.25

The formula for calculating the binaural percentage of hearing disability according to the Gazette
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notification of the GOI (2018), based on the input from the Ministry of Social Justice and Empowerment is _____ .

Options :

1. ✘ $(\text{Better ear \% of hearing disability} \times 4 + \text{Poorer ear \% of hearing disability})/4$
2. ✔ $[(\text{Better ear \% of hearing disability} \times 5) + (\text{Poorer ear \% of hearing disability})]/6$
3. ✘ $(\text{Better ear \% of hearing disability} \times 6 + \text{Poorer ear \% of hearing disability})/5$
4. ✘ $(\text{Better ear \% of hearing disability} \times 5 + \text{Poorer ear \% of hearing disability})/4$

Question Number : 60 Question Id : 2158571380 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0.25

A 40 year old male is assessed for performance intensity function test and estimated to have PB_{\max} score of 64% and PB_{\min} score of 38% using NU-6 test material. Based on the above value, calculate the roll over index (RI) and possible interpretation in this patient.

Options :

1. ✘ 0.47 and retrocochlear pathology
2. ✔ 0.41 and retrocochlear pathology
3. ✘ 0.41 and cochlear pathology
4. ✘ 0.47 and cochlear pathology

Question Number : 61 Question Id : 2158571381 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0.25

This is not an index to identify Meniere's disease using ECoChG.

Options :

1. ✘ SP/CAP amplitude ratio
2. ✔ Duration of cochlear microphonics
3. ✘ Latency difference of CAP response evoked by stimuli of opposite polarity
4. ✘ SP amplitude

Question Number : 62 Question Id : 2158571382 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0.25

In which of the following behavioural vestibular test, 'Corrective Saccades' are noticed?

Options :

1. ✘ Fukuda Stepping test
2. ✔ Head Impulse Test
3. ✘ Romberg Test
4. ✘ Tandem Gait test

Question Number : 63 Question Id : 2158571383 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0.25

In the recording protocol, the time window set to record Miss Match Negativity in an adult is _____ .

Options :

1. ✘ 0 to 200 ms
2. ✘ -50 to 200 ms
3. ✔ -50 to 400 ms
4. ✘ 50 to 400 ms

Question Number : 64 Question Id : 2158571384 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0.25

Derived band Auditory Brainstem Responses are meant to provide _____.

Options :

1. ✔ frequency specific Auditory Brainstem Responses
2. ✘ iso-latency Auditory Brainstem Responses
3. ✘ large amplitude Auditory Brainstem Responses

4. ✘ Auditory Brainstem Responses from upper brainstem

Question Number : 65 Question Id : 2158571385 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0.25

Which of the following prescriptive procedure is most suitable for programming non-linear hearing aids for children?

Options :

1. ✔ DSL i/o
2. ✘ POGO
3. ✘ IHAFF
4. ✘ NAL RP

Question Number : 66 Question Id : 2158571386 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0.25

In children, as the stimulus intensity increases above the threshold, the binaural summation effect _____.

Options :

1. ✔ increases
2. ✘ decreases
3. ✘ initially increases and then decreases
4. ✘ remains unchanged

Question Number : 67 Question Id : 2158571387 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0.25

Which one of the following statements is not true concerning directional microphones?

Options :

1. ✘ Directivity index of omnidirectional microphone is less than a bidirectional microphone

- ✘ Spacing between the two ports influences the directivity
- ✘ Polar pattern is altered when it is worn in the ear.
- ✔ Front to back ratio measured in free field is lower for cardioid pattern when compared to hyper-cardioid pattern.

Question Number : 68 Question Id : 2158571388 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0.25

The maximum limit for the electrical current amplitude that may be delivered to an electrode for a given voltage capacity of the battery is called_____.

Options :

- ✘ Impedance limit
- ✘ Resistance limit
- ✔ Compliance limit
- ✘ Charge limit

Question Number : 69 Question Id : 2158571389 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0.25

Speech tracking is a technique that can be used for _____ .

Options :

- ✘ only testing the speech perception skills in individuals with hearing impairment
- ✘ only training the speech perception skills in individuals with hearing impairment
- ✔ both testing and training the speech perception skills in individuals with hearing impairment
- ✘ only for training individuals with hearing impairment in speech reading

Question Number : 70 Question Id : 2158571390 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0.25

As per OSHA regulations, for every 5 dB increase in noise levels the exposure time should be

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reduced by _____ percentage for steady state noise.

Options :

1. ✘ 25
2. ✘ 40
3. ✔ 50
4. ✘ 75

Question Number : 71 Question Id : 2158571391 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0.25

A permanent government employee requires to provide a notice period of _____ before resignation?

Options :

1. ✘ 8 months
2. ✘ 7 months
3. ✔ 3 months
4. ✘ 5 months

Question Number : 72 Question Id : 2158571392 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0.25

Usher syndrome is inherited as an or a _____ .

Options :

1. ✘ autosomal dominant
2. ✔ autosomal recessive
3. ✘ incomplete dominance
4. ✘ maternal influence

Question Number : 73 Question Id : 2158571393 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

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Correct Marks : 1 Wrong Marks : 0.25

Which Bekesy audiogram pattern is commonly seen in Lengthened Off Time (LOT) test in individuals with functional hearing loss?

Options :

1. ✘ Type II
2. ✘ Type III
3. ✘ Type IV
4. ✔ Type V

Question Number : 74 Question Id : 2158571394 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0.25

In normal adults, if multi-component tympanometry is carried out at 660 Hz, which of the following pattern is most likely to occur?

Options :

1. ✔ 1B 1G
2. ✘ 3B 1G
3. ✘ 3B 3G
4. ✘ 5B 3G

Question Number : 75 Question Id : 2158571395 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0.25

Which is the most appropriate test for hearing screening in an infant having a chronological age of 14 months?

Options :

1. ✘ Behavioral observation audiometry
2. ✔ Visual reinforcement audiometry
3. ✘ Conditioned play audiometry
4. ✘ Puretone audiometry

Question Number : 76 Question Id : 2158571396 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0.25

The most common cause of paediatric vestibular disorders is _____ .

Options :

1. ✘ benign paroxysmal positional vertigo
2. ✔ vestibular migraine
3. ✘ Menieres disease
4. ✘ labyrinthitis

Question Number : 77 Question Id : 2158571397 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0.25

Which among the following options is the odd one out in terms of the origin from the germ layer?

Options :

1. ✘ Heart
2. ✘ Spleen
3. ✘ Kidney
4. ✔ Cochlea

Question Number : 78 Question Id : 2158571398 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0.25

In a WDRC hearing aid with a gain of 50 dB, compression ratio of 3:1, and compression threshold of 50 dB SPL, what is the output level for an input of 80 dB SPL?

Options :

1. ✔ 110 dB SPL
2. ✘ 100 dB SPL
3. ✘ 130 dB SPL

4. ✘ 120 dB SPL

Question Number : 79 Question Id : 2158571399 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0.25

The REUG typically has a maximum peak between _____ and returns to 0 dB between 6 and 8 kHz, in adults.

Options :

1. ✘ 1 and 1.5 kHz
2. ✘ 4 and 5 kHz
3. ✘ 3 and 4 kHz
4. ✔ 2 and 3 kHz

Question Number : 80 Question Id : 2158571400 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0.25

In the current cochlear implants, the signal is transmitted from the external components to the implanted components through _____ .

Options :

1. ✘ transduction
2. ✘ percutaneous link
3. ✔ radio frequencies
4. ✘ infrared signals

Question Number : 81 Question Id : 2158571401 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0.25

The term that describe a single relationship between two items from opposite perspectives such as 'above' and 'below' is _____.

Options :

1. ✘ Binary antonyms
2. ✘ Gradable antonyms
3. ✔ Converse antonyms
4. ✘ Extended antonyms

Question Number : 82 Question Id : 2158571402 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0.25

The 'National Programme for Prevention and Control of Deafness' is under the aegis of which of the following ministry of Government of India?

Options :

1. ✔ Ministry of Health and Family Welfare
2. ✘ Ministry of Social Justice and Empowerment
3. ✘ Ministry of Human Resource Development
4. ✘ Ministry of Women and Child development

Question Number : 83 Question Id : 2158571403 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0.25

The type of communication strategy that involves phrasing one's remarks to constrain the response of a communication partner is _____.

Options :

1. ✘ Instructional strategy
2. ✘ Constructive strategy
3. ✘ Adaptive strategy
4. ✔ Message tailoring strategy

Question Number : 84 Question Id : 2158571404 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0.25

A person has hearing loss of 15 dB HL at 500 Hz, 25 dB HL at 1000 Hz, 45 dB HL at 2000 Hz, 55 dB HL at 4000 Hz, and 60 dB HL at 8000 Hz in the right ear; and 20 dB HL at 500 Hz, 30 dB HL at 1000 Hz, 50 dB HL at 2000 Hz, 60 dB HL at 4000 Hz, and 65 dB HL at 8000 Hz in the left ear. What will be the monoaural hearing disability percentage for the right and left ears respectively for this person as per AAO guidelines?

Options :

1. ✘ 5 and 12
2. ✘ 5 and 30
3. ✔ 15 and 22.5
4. ✘ 22.5 and 30

Question Number : 85 Question Id : 2158571405 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0.25

'Dichotic Interaural Intensity Difference' was developed to help those having problems with _____ .

Options :

1. ✔ integration
2. ✘ temporal processing
3. ✘ interaction
4. ✘ closure

Question Number : 86 Question Id : 2158571406 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0.25

The purpose of functional analysis is to identify antecedent and _____ of behaviour.

Options :

1. ✘ sequence
2. ✘ functions
3. ✘ types
4. ✔ consequence

Question Number : 87 Question Id : 2158571407 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0.25

In Steinberg-Gardner plot, if the angle between the loudness recruitment function and the abscissa is equal to 45 degrees, it refers to_____.

Options :

1. ✘ complete recruitment
2. ✘ hyper recruitment
3. ✔ no recruitment
4. ✘ de recruitment

Question Number : 88 Question Id : 2158571408 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0.25

Masking Level Difference (MLD) in homophasic condition and Gap Detection Threshold (GDT) were administered on a 14 year old male with suspected auditory processing disorder. The MLD was 12 dB and the GDT obtained was 12 ms. The interpretation of the result is _____.

Options :

1. ✔ normal binaural interaction and poor temporal resolution
2. ✘ poor binaural interaction and normal temporal resolution
3. ✘ normal binaural interaction and normal temporal resolution
4. ✘ poor binaural interaction and poor temporal resolution

Question Number : 89 Question Id : 2158571409 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0.25

The VOR is responsible for stabilizing eye or head position at frequencies starting at about _____ Hz

Options :

1. ✔ 0.6
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2. ✘ 0.1

3. ✘ 1

4. ✘ 6

Question Number : 90 Question Id : 2158571410 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0.25

The generator of ASSR depends primarily on the _____ .

Options :

1. ✘ electrode Placement

2. ✘ stimulus modulation depth

3. ✘ stimulus intensity

4. ✔ stimulus modulation rate

Question Number : 91 Question Id : 2158571411 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0.25

According to Joint Committee on the Infant Hearing (2019) position statement, which of the following tests are recommended for assessing middle ear function of an eight-month-old child?

Options :

1. ✘ 226 Hz Tympanometry

2. ✔ Wide band reflectance

3. ✘ Multi frequency tympanometry

4. ✘ Multi component tympanometry

Question Number : 92 Question Id : 2158571412 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0.25

While doing tympanometry in children, an ear canal volume of 0.8 to 1.0 cc is unlikely to be found in cases with _____ .

Options :

1. ✘ serous otitis media
2. ✘ congenital anomalies of the middle ear
3. ✘ inadequate Eustachian tube functioning
4. ✔ patent ventilation tube in the tympanic membrane

Question Number : 93 Question Id : 2158571413 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0.25

The "Gold standard test" for determination of hearing thresholds in children under the age of 5 months is _____.

Options :

1. ✘ Oto-acoustic emissions
2. ✘ Behavioral observation audiometry
3. ✘ Visual reinforcement audiometry
4. ✔ Auditory brainstem response

Question Number : 94 Question Id : 2158571414 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0.25

According to ANSI S3.22 standard (2003), harmonic distortion is measured at the frequencies _____.

Options :

1. ✘ 250, 500 and 800 Hz
2. ✔ 500, 800 and 1600 Hz
3. ✘ 500, 800 and 1250 Hz
4. ✘ 250, 500 and 750 Hz

Question Number : 95 Question Id : 2158571415 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0.25

Although the receiver tubing is much longer in BTE hearing aids than in custom hearing aids, the frequency response of the two hearing aids can be made similar by using a _____ .

Options :

1. ✘ vent
2. ✘ horn
3. ✘ resonator
4. ✔ damper

Question Number : 96 Question Id : 2158571416 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0.25

Persons with either conductive or mixed hearing loss are not candidates for _____ .

Options :

1. ✘ middle ear implant
2. ✘ bone bridge
3. ✔ hybrid implant
4. ✘ BAHA

Question Number : 97 Question Id : 2158571417 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0.25

The 'International Outcome Inventory for Hearing Aid' covers _____ dimensions.

Options :

1. ✘ 3
2. ✘ 5
3. ✔ 7
4. ✘ 9

Question Number : 98 Question Id : 2158571418 Question Type : MCQ Option Shuffling : No Is
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Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0.25

These classrooms are often seen in community schools and include only children with hearing loss. They are called _____ classrooms.

Options :

1. ✓ self-contained
2. ✗ inclusive
3. ✗ mainstream
4. ✗ resource

Question Number : 99 Question Id : 2158571419 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0.25

The communication approach for hearing impairment that enhances speech reading by employing phonemically based gestures to distinguish among similar visual patterns is_____.

Options :

1. ✗ Tadoma
2. ✗ Total communication
3. ✗ Rochesters method
4. ✓ Cued speech

Question Number : 100 Question Id : 2158571420 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0.25

Infrared radiation is a type of _____ except that it occurs at very high frequency.

Options :

1. ✓ electromagnetic energy as radio waves
2. ✗ radio waves as electromagnetic energy
3. ✗ magnetic energy as electrical energy
4. ✗ electrical energy as magnetic energy