

# 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.

<b>Question Paper Name :</b>	M Sc AUD 5th Oct 2020 Shift2
<b>Subject Name :</b>	M.Sc - AUD
<b>Creation Date :</b>	2020-10-05 16:19:25
<b>Duration :</b>	100
<b>Number of Questions :</b>	100
<b>Total Marks :</b>	100
<b>Display Marks:</b>	No
<b>Calculator :</b>	None
<b>Magnifying Glass Required? :</b>	No
<b>Ruler Required? :</b>	No
<b>Eraser Required? :</b>	No
<b>Scratch Pad Required? :</b>	No
<b>Rough Sketch/Notepad Required? :</b>	No
<b>Protractor Required? :</b>	No
<b>Show Watermark on Console? :</b>	Yes
<b>Highlighter :</b>	No
<b>Auto Save on Console? :</b>	Yes

## M.Sc - AUD

<b>Group Number :</b>	1
<b>Group Id :</b>	23079620

<b>Group Maximum Duration :</b>	0
<b>Group Minimum Duration :</b>	100
<b>Show Attended Group? :</b>	No
<b>Edit Attended Group? :</b>	No
<b>Break time :</b>	0
<b>Group Marks :</b>	100
<b>Is this Group for Examiner? :</b>	No

## **M.Sc - AUD**

<b>Section Id :</b>	23079640
<b>Section Number :</b>	1
<b>Section type :</b>	Online
<b>Mandatory or Optional :</b>	Mandatory
<b>Number of Questions :</b>	100
<b>Number of Questions to be attempted :</b>	100
<b>Section Marks :</b>	100
<b>Mark As Answered Required? :</b>	Yes
<b>Sub-Section Number :</b>	1
<b>Sub-Section Id :</b>	23079640
<b>Question Shuffling Allowed :</b>	Yes

**Question Number : 1 Question Id : 2307962401 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0.25**

A 5 year old child with a history of hearing loss has a pearly white mass behind an intact tympanic membrane. What is the most possible diagnosis?

**Options :**

1. ✓ Congenital cholesteatoma
2. ✗ Otomycosis

3. ✘ Otosclerosis

4. ✘ Exostosis

**Question Number : 2 Question Id : 2307962402 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0.25**

Human mitochondrial DNA contains \_\_\_\_\_ genes.

**Options :**

1. ✘ 30

2. ✘ 35

3. ✘ 38

4. ✔ 37

**Question Number : 3 Question Id : 2307962403 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0.25**

The eye blink reflex is usually normal in \_\_\_\_\_ .

**Options :**

1. ✔ idiopathic trigeminal neuralgia

2. ✘ Bell's palsy

3. ✘ facial palsy

4. ✘ VII nerve paralysis

**Question Number : 4 Question Id : 2307962404 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0.25**

The pinna functions effectively as a sound collector for frequencies \_\_\_\_\_.

**Options :**

1. ✘ below 4000 Hz

2. ✔ above 4000 Hz

3. ✘ between 1000 and 4000 Hz

4. ✘ between 100 and 1000 Hz

**Question Number : 5 Question Id : 2307962405 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0.25**

An outward movement of the stapes caused by the rarefaction phase of the sound causes the basilar membrane to be deflected towards the \_\_\_\_\_.

**Options :**

1. ✔ scala vestibuli

2. ✘ scala tympani

3. ✘ tympanic canal

4. ✘ habenula perforata

**Question Number : 6 Question Id : 2307962406 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0.25**

An automobile horn emits a tone with a frequency of 440 Hz. What is the apparent frequency when the automobile approaches an observer at 25 m/s?

**Options :**

1. ✘ 475 kHz

2. ✘ 415 kHz

3. ✘ 415 Hz

4. ✔ 475 Hz

**Question Number : 7 Question Id : 2307962407 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0.25**

The relationship between DC current gain in common base configuration and common emitter configuration is given by \_\_\_\_\_ .

Options :

1. ✘  $\alpha = \frac{\beta}{1-\beta}$

2. ✔  $\beta = \frac{\alpha}{1-\alpha}$

3. ✘  $\beta = \frac{\alpha}{1+\alpha}$

4. ✘  $\alpha = \frac{1}{1-\beta}$

Question Number : 8 Question Id : 2307962408 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0.25

“There is a high positive relationship between two variables” is an example for \_\_\_\_\_ .

Options :

1. ✘ null hypothesis

2. ✘ working hypothesis

3. ✔ directional hypothesis

4. ✘ simple hypothesis

Question Number : 9 Question Id : 2307962409 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0.25

Which is the highest level of evidence according to ‘Evidence Based Practice’?

Options :

1. ✘ Well designed quasi- experimental study

2. ✘ Well designed controlled study without randomization
3. ✔ Systematic reviews & Meta-analyses
4. ✘ Committee reports & opinions

**Question Number : 10 Question Id : 2307962410 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0.25**

A single-case design in which the independent variable is introduced and removed one or more time is called

**Options :**

1. ✘ simultaneous multiple baseline
2. ✘ criterion reference change
3. ✘ baseline
4. ✔ reversal

**Question Number : 11 Question Id : 2307962411 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0.25**

The non-parametric test that can be used to compare two related samples of data obtained from the same group of participants is \_\_\_\_\_ .

**Options :**

1. ✔ Wilcoxon Signed Ranks test
2. ✘ Mann Whitney U test
3. ✘ paired t-test
4. ✘ independent t- test

**Question Number : 12 Question Id : 2307962412 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0.25**

Deciding to take an antacid before indulging in a spicy meal is an example of \_\_\_\_\_.

**Options :**

1. ✘ positive reinforcement
2. ✔ negative reinforcement
3. ✘ punishment
4. ✘ continuous reinforcement

**Question Number : 13 Question Id : 2307962413 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0.25**

While playing, a young child pretends that sticks are guns. This is an example of\_\_\_\_\_ .

**Options :**

1. ✘ object permanence
2. ✔ assimilation
3. ✘ accommodation
4. ✘ animism

**Question Number : 14 Question Id : 2307962414 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0.25**

Timeout is based on the principle of \_\_\_\_\_ .

**Options :**

1. ✘ positive reinforcement
2. ✘ negative reinforcement
3. ✘ positive punishment
4. ✔ negative punishment

**Question Number : 15 Question Id : 2307962415 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0.25**

MAP refers to the sound pressure \_\_\_\_\_ .

**Options :**

1. ✘ selected in the audiometer dial at the person's threshold
2. ✔ at the ear drum level at the person's threshold
3. ✘ measured in a 6 cc coupler at the person's threshold
4. ✘ measured using a loud speaker at a reference point

**Question Number : 16 Question Id : 2307962416 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0.25**

Which among the following statement is correct?

**Options :**

1. ✘ The value of difference limen is the same for all frequencies and intensities
2. ✘ The value of difference limen is always identical for different frequencies
3. ✔ The value of difference limen is not the same for different frequencies and intensities
4. ✘ The value of difference limen is independent of intensity

**Question Number : 17 Question Id : 2307962417 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0.25**

Calculate the dB SPL for 10:1 pressure ratio

**Options :**

1. ✘ 2
2. ✔ 20
3. ✘ 200
4. ✘ 30

**Question Number : 18 Question Id : 2307962418 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0.25**

What is the resultant SPL by combining one source of 90 dB SPL with another source of 80 dB SPL?



**Options :**

1. ✘ 93 dB SPL
2. ✘ 96 dB SPL
3. ✘ 86 dB SPL
4. ✔ 90.4 dB SPL

**Question Number : 19 Question Id : 2307962419 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0.25**

Among the following frequencies, DLF is smallest at \_\_\_\_\_ .

**Options :**

1. ✔ 200 Hz
2. ✘ 1000 Hz
3. ✘ 2000 Hz
4. ✘ 8000 Hz

**Question Number : 20 Question Id : 2307962420 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0.25**

Bony projections in the external ear canal are called \_\_\_\_\_ .

**Options :**

1. ✔ exostoses
2. ✘ otoama
3. ✘ otostoses
4. ✘ otomycosis

**Question Number : 21 Question Id : 2307962421 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0.25**

What is the standard physical reference value for dB SPL?

**Options :**

1. ✓  $2 \times 10^{-4} \text{ d/cm}^2$
2. ✗  $2 \times 10^{-5} \text{ d/cm}^2$
3. ✗  $2 \times 10^4 \text{ d/cm}^2$
4. ✗  $2 \times 10^5 \text{ d/cm}^2$

**Question Number : 22 Question Id : 2307962422 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0.25**

This test is more accurate in identifying air-bone gaps as small as 15 dB.

**Options :**

1. ✗ Tuning fork Weber test
2. ✗ Audiometric Weber test
3. ✓ Pure-tone audiometry
4. ✗ Rinne test

**Question Number : 23 Question Id : 2307962423 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0.25**

Interaction between probe tone and acoustic reflex eliciting tone is \_\_\_\_\_ .

**Options :**

1. ✗ less in high frequency probe tone
2. ✗ same irrespective of the probe tone frequency
3. ✗ more in low frequency probe tone
4. ✓ less in low frequency probe tone

**Question Number : 24 Question Id : 2307962424 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0.25**

The noise floor during auditory evoked potentials recording increases due to \_\_\_\_\_ .

**Options :**

1. ✓ high electrode impedance
2. ✗ low electrode impedance
3. ✗ averaging
4. ✗ common mode rejection

**Question Number : 25 Question Id : 2307962425 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0.25**

The following in ABR is not an indication of retrocochlear pathology

**Options :**

1. ✗ Absence of all waves with relatively normal hearing sensitivity
2. ✓ Absence of earlier waves
3. ✗ Presence of wave I and absence of other waves
4. ✗ Wave I-V interwave latency greater than 4.4 ms

**Question Number : 26 Question Id : 2307962426 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0.25**

DP-gram is a graph of DPOAE level as a function of \_\_\_\_\_ .

**Options :**

1. ✗ primary tone level
2. ✗ primary tone level ratio
3. ✗ primary tone frequency ratio
4. ✓ primary tone frequency

**Question Number : 27 Question Id : 2307962427 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0.25**

In humans, the highest energy of DPOAE is seen in \_\_\_\_\_ .

**Options :**

1. ✘ F1-f2
2. ✘ 3f1-2f2
3. ✔ 2f1-f2
4. ✘ F1-2f2

**Question Number : 28 Question Id : 2307962428 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0.25**

A 45 year old female has a PTA of 41.25 dB HL, SRT = 45 dB HL, SIS = 88%, UCL = 90 dB HL in the right ear. She has 'A' type tympanogram with acoustic reflexes present. The expected classical SISI scores in the right ear is\_\_\_\_\_ .

**Options :**

1. ✘ 40%
2. ✘ 0%
3. ✘ 20%
4. ✔ 90%

**Question Number : 29 Question Id : 2307962429 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0.25**

A score of 60 on 'Tinnitus Handicap Inventory' (THI) refers to \_\_\_\_\_ degree of handicap.

**Options :**

1. ✘ moderately severe
2. ✘ moderate
3. ✔ severe

4. ✘ catastrophic

**Question Number : 30 Question Id : 2307962430 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0.25**

A rest period of \_\_\_\_\_seconds is provided in Hood's Tone decay test (1955).

**Options :**

1. ✔ 60

2. ✘ 30

3. ✘ 20

4. ✘ 10

**Question Number : 31 Question Id : 2307962431 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0.25**

According to Threshold Equalizing Noise (TEN) test, a dead region at a particular frequency is indicated by a masked threshold that is at least \_\_\_\_\_ dB above the absolute threshold and \_\_\_\_\_ dB above the nominal noise level.

**Options :**

1. ✔ 10 and 10

2. ✘ 0 and 10

3. ✘ 10 and 0

4. ✘ 0 and 0

**Question Number : 32 Question Id : 2307962432 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0.25**

The 'Fusion Inferred Threshold' (FIT) test is based on \_\_\_\_\_ principle

**Options :**

1. ✔ Stenger

2. ✘ cross-check
3. ✘ bottle-neck
4. ✘ subtlety

**Question Number : 33 Question Id : 2307962433 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0.25**

Dichotic digit test was administered on a 13 year old female with suspected auditory processing disorder. The digits 'two' and 'five' were presented to the right ear and the digits 'nine' and 'one' were presented to the left ear. The responses obtained were 'two', 'five', 'six' and 'one'. Based on the responses, what is the double correct score of the test?

**Options :**

1. ✘ 1
2. ✔ 0
3. ✘ 0.5
4. ✘ 1.5

**Question Number : 34 Question Id : 2307962434 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0.25**

Time compressed speech test is an example of a \_\_\_\_\_

**Options :**

1. ✘ temporal resolution
2. ✘ temporal patterning
3. ✔ monaural low redundancy test
4. ✘ monaural high redundancy test

**Question Number : 35 Question Id : 2307962435 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0.25**

In which of the following clinical conditions would you find type-B tympanogram with large ear canal volume?

**Options :**

1. ✓ Perforation
2. ✗ Impacted Wax
3. ✗ Otosclerosis
4. ✗ ASOM

**Question Number : 36 Question Id : 2307962436 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0.25**

The P1-N1-P2 Change Complex is an/a \_\_\_\_\_ response.

**Options :**

1. ✓ obligatory
2. ✗ sustained
3. ✗ frequency following
4. ✗ EEG

**Question Number : 37 Question Id : 2307962437 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0.25**

The chirp is an \_\_\_\_\_ and \_\_\_\_\_ stimulus designed to create a cochlear traveling wave

**Options :**

1. ✗ click ; AM
2. ✗ click ; tone burst
3. ✓ AM ; FM
4. ✗ CM ; FM

**Question Number : 38 Question Id : 2307962438 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0.25**

An individual with acoustic neuroma along with facial nerve damage on same side is likely to have \_\_\_\_\_ Jerger box pattern.

**Options :**

1. ✘ vertical
2. ✘ horizontal
3. ✘ unibox
4. ✔ inverted L

**Question Number : 39 Question Id : 2307962439 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0.25**

The oddball stimulus paradigm is not required to record \_\_\_\_\_.

**Options :**

1. ✔ ASSR
2. ✘ MMN
3. ✘ P300
4. ✘ Context dependent brainstem encoding

**Question Number : 40 Question Id : 2307962440 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0.25**

The auditory evoked potential that is least contaminated by eye blinks is \_\_\_\_\_

**Options :**

1. ✔ FFR
2. ✘ ALLR
3. ✘ MMN
4. ✘ N400

**Question Number : 41 Question Id : 2307962441 Question Type : MCQ Option Shuffling : No Is**



**Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0.25**

A goggles fitted with infrared-equipped video cameras is used in \_\_\_\_\_ .

**Options :**

1. ✘ VEMP recording
2. ✔ VNG
3. ✘ Fukuda test
4. ✘ ENG

**Question Number : 42 Question Id : 2307962442 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0.25**

Which of these is a DC potential?

**Options :**

1. ✘ Cochlear microphonic
2. ✔ Summating potential
3. ✘ ABR
4. ✘ FFR

**Question Number : 43 Question Id : 2307962443 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0.25**

In a research laboratory, the researchers were interested in testing the infant speech discriminating abilities. Which of the following electrophysiological test will give them the maximum information regarding the same?

**Options :**

1. ✘ Auditory brainstem response audiometry
2. ✘ Long latency response audiometry
3. ✘ P300
4. ✔ Mis-match negativity

**Question Number : 44 Question Id : 2307962444 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0.25**

Joint Committee on Infant Hearing (2019) recommends to start the intervention by \_\_\_\_\_ months.

**Options :**

1. ✓ 3

2. ✗ 6

3. ✗ 4

4. ✗ 8

**Question Number : 45 Question Id : 2307962445 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0.25**

What is Tulio's phenomenon?

**Options :**

1. ✗ Improved speech understanding in noise

2. ✓ Sound induced vertigo

3. ✗ Feeling of nausea and giddiness while traveling

4. ✗ Vertigo induced by a sudden change in head position

**Question Number : 46 Question Id : 2307962446 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0.25**

In children, the head shadow effect can attenuate the complex signal intensity up to \_\_\_\_\_ in the far ear compared to the near ear, when the sound source is at 45 degrees.

**Options :**

1. ✗ 2-3 dB

2. ✗ 4-6 dB

3. ✓ 6-12 dB

4. ✗ 12-24 dB

**Question Number : 47 Question Id : 2307962447 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0.25**

If the average background noise level in a classroom is \_\_\_\_\_ , as per ANSI S12.60-2002 standards, the classroom is considered as not per the standards.

**Options :**

1. ✓ 3 dB higher than 35 dBA level

2. ✗ 10 dB higher than 25 dBA level

3. ✗ 3 dB higher than 20 dBA level

4. ✗ 10 dB higher than 20 dBA level

**Question Number : 48 Question Id : 2307962448 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0.25**

The immittance results in a child show bilateral type-A tympanogram with acoustic reflexes in both ears. In which of the following conditions the above findings are least likely to be found?

**Options :**

1. ✓ Bilateral conductive hearing loss

2. ✗ Bilateral normal hearing

3. ✗ Bilateral mild-to-moderate sensorineural hearing loss

4. ✗ Unilateral mild-to-moderate sensorineural hearing loss

**Question Number : 49 Question Id : 2307962449 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0.25**

Schwartz sign is typically seen in

**Options :**

1. ✓ Otosclerosis
2. ✗ CSOM
3. ✗ SOM
4. ✗ Presbycusis

**Question Number : 50 Question Id : 2307962450 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0.25**

BioMAP is used in the diagnosis of \_\_\_\_\_ .

**Options :**

1. ✗ acoustic neuroma
2. ✓ auditory processing disorders
3. ✗ conductive hearing loss
4. ✗ sensorineural hearing loss

**Question Number : 51 Question Id : 2307962451 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0.25**

The SCAN-3:C does not include \_\_\_\_\_ .

**Options :**

1. ✗ Gap detection test
2. ✗ Auditory figure ground test
3. ✗ Competing words test
4. ✓ Dichotic CV test

**Question Number : 52 Question Id : 2307962452 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0.25**

First signs of vertical plane localization is usually present by the age of \_\_\_\_\_ .

**Options :**

1. ✘ at birth
2. ✘ 4-7 months
3. ✔ 7-9 months
4. ✘ 9-13 months

**Question Number : 53 Question Id : 2307962453 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0.25**

The most appropriate modulation rate for recording Auditory Steady-State Response (ASSR) in a sleeping infant is \_\_\_\_\_ .

**Options :**

1. ✔ 60 Hz
2. ✘ 50 Hz
3. ✘ 40 Hz
4. ✘ 30 Hz

**Question Number : 54 Question Id : 2307962454 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0.25**

Which of the following amplifiers uses pulse width modulation technique?

**Options :**

1. ✘ Class A
2. ✘ Class B
3. ✔ Class D
4. ✘ Class C

**Question Number : 55 Question Id : 2307962455 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0.25**

The primary reason for using a damper in the ear hook is \_\_\_\_\_ .

**Options :**

1. ✓ to smooth the resonance peaks
2. ✗ to reduce the dynamic range
3. ✗ to damp the low frequencies
4. ✗ to reduce MPO

**Question Number : 56 Question Id : 2307962456 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0.25**

NAL-RP prescription formula uses \_\_\_\_\_

**Options :**

1. ✗ REAG
2. ✓ IG
3. ✗ REUG
4. ✗ REAR

**Question Number : 57 Question Id : 2307962457 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0.25**

The SPL above which the hearing aid begins to compress a signal is known as \_\_\_\_\_ .

**Options :**

1. ✗ release time
2. ✗ attack time
3. ✓ compression threshold
4. ✗ compression ratio

**Question Number : 58 Question Id : 2307962458 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0.25**

In NAL-R formula the thresholds are multiplied by \_\_\_\_\_ at each frequency and are combined

with a \_\_\_\_\_ slope rate to control for excessive gain in high frequencies for steeply sloping hearing loss.

**Options :**

1. ✘ 0.31 ; 1/5
2. ✘ 0.31 ; 1/2
3. ✔ 0.31 ; 1/3
4. ✘ 0.31 ; 1/4

**Question Number : 59 Question Id : 2307962459 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0.25**

The acoustic impedance of the ear canal and ear drum is relatively \_\_\_\_\_ compared to the impedance of the ear mould tube.

**Options :**

1. ✘ very high
2. ✔ low
3. ✘ high
4. ✘ similar

**Question Number : 60 Question Id : 2307962460 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0.25**

The difference between the compression and digital noise reduction in hearing aids is that compression is triggered by \_\_\_\_\_ of the input signal, whereas noise reduction is triggered by the \_\_\_\_\_ of the input signal.

**Options :**

1. ✘ frequency, intensity level
2. ✔ intensity level, nature
3. ✘ nature, intensity level
4. ✘ intensity level, frequency

**Question Number : 61 Question Id : 2307962461 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0.25**

Entertainment artifacts in hearing aids can be cancelled using \_\_\_\_\_ .

**Options :**

1. ✘ digital noise reduction
2. ✘ adaptive feedback canceller
3. ✔ static feedback canceller
4. ✘ adaptive directionality

**Question Number : 62 Question Id : 2307962462 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0.25**

CHAPS : \_\_\_\_\_ SIFTER : Educational risk

**Options :**

1. ✘ Child hearing aid performance scale
2. ✔ Child's auditory behavior
3. ✘ Comprehensive psychological scale
4. ✘ Adult hearing aid performance scale

**Question Number : 63 Question Id : 2307962463 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0.25**

\_\_\_\_\_ is a relatively better objective measure to predict cochlear implant upper stimulation levels.

**Options :**

1. ✘ Electrically evoked auditory brainstem responses
2. ✔ Electrically evoked stapedial reflex telemetry
3. ✘ Electrically evoked compound action potential
4. ✘ Neural response telemetry



**Question Number : 64 Question Id : 2307962464 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0.25**

Current steering technology is used in \_\_\_\_\_ speech processing strategy in a cochlear implant

**Options :**

1. ✓ HiRes Fidelity 120
2. ✗ HighResS
3. ✗ HighResP
4. ✗ CIS

**Question Number : 65 Question Id : 2307962465 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0.25**

In a cochlear implant, the stimulation mode that occurs when the current flows between one intracochlear electrode in the array and one or more extracochlear electrode/s is called \_\_\_\_\_.

**Options :**

1. ✗ bipolar
2. ✓ monopolar
3. ✗ common ground
4. ✗ apolar

**Question Number : 66 Question Id : 2307962466 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0.25**

During pre-implant radiological investigation, the MRI provides information about \_\_\_\_\_ and the CT scan provides information about \_\_\_\_\_ .

**Options :**

1. ✗ neural synchronous firing; cochlea
2. ✗ bony anatomy; soft tissue anatomy

- ✘ temporal bone; cochlear fluids
- ✔ soft tissue anatomy; bony anatomy

**Question Number : 67 Question Id : 2307962467 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0.25**

In a cochlear implant, increasing the amplitude and/or pulse width of biphasic pulses, brings about \_\_\_\_\_ .

**Options :**

- ✘ decrease in the perceived pitch
- ✘ decrease in the stimulus loudness
- ✘ increase in the perceived pitch
- ✔ increase in the stimulus loudness

**Question Number : 68 Question Id : 2307962468 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0.25**

A type of borrowing where the morphemic constituents of the borrowed word or phrase are translated item by item into equivalent morphemes in the new language is called \_\_\_\_\_ .

**Options :**

- ✘ Blend
- ✘ Tadbhava
- ✔ Calque
- ✘ Prestige word

**Question Number : 69 Question Id : 2307962469 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0.25**

A relation between a pair of sentences such that the truth of the second sentence necessarily follows from the truth of the first wherein, one cannot both, assert the first and deny

the second is called \_\_\_\_\_ .

**Options :**

1. ✘ truth condition
2. ✔ entailment
3. ✘ implicature
4. ✘ deixis

**Question Number : 70 Question Id : 2307962470 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0.25**

The WHO-ICF system organizes consequences of health conditions in terms of \_\_\_\_\_ .

**Options :**

1. ✘ disability
2. ✘ impairment
3. ✔ body structure and function
4. ✘ handicap

**Question Number : 71 Question Id : 2307962471 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0.25**

Rochester method is a combination of \_\_\_\_\_ .

**Options :**

1. ✘ sign language, finger spelling, speech reading
2. ✘ speech reading, cued speech, finger spelling
3. ✔ finger spelling, oral speech
4. ✘ oral speech, finger spelling, cued speech

**Question Number : 72 Question Id : 2307962472 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0.25**

Which of these activities can be incorporated at the sound awareness stage of auditory training?

**Options :**

1. ✘ Recognize animal sounds
2. ✘ Repeat after me
3. ✔ Musical chairs
4. ✘ Read a story & answer five questions

**Question Number : 73 Question Id : 2307962473 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0.25**

When an utterance is heard as another utterance when presented with discrepant visual articulation, it is termed as \_\_\_\_\_

**Options :**

1. ✔ McGurk effect
2. ✘ Speech cue enhancement
3. ✘ Ventriloquism illusion
4. ✘ Cross modal enhancement

**Question Number : 74 Question Id : 2307962474 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0.25**

In a conversation, gestures are useful to persons with hearing loss. A culturally specified gesture for e.g. the 'V' gesture might symbolize victory in UK and peace in USA. Such a gesture is termed

\_\_\_\_\_ .

**Options :**

1. ✘ iconic gesture
2. ✘ deictic gesture
3. ✔ emblematic gesture
4. ✘ beat gesture

**Question Number : 75 Question Id : 2307962475 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0.25**

IEC 60318-3 is a

**Options :**

1. ✘ HA1 coupler
2. ✘ HA2 coupler
3. ✘ 4 cc coupler
4. ✔ 6 cc coupler

**Question Number : 76 Question Id : 2307962476 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0.25**

\_\_\_\_\_ are words that look alike at the lips but differ in their production.

**Options :**

1. ✔ Homophenes
2. ✘ Homonyms
3. ✘ Visemes
4. ✘ Homophones

**Question Number : 77 Question Id : 2307962477 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0.25**

\_\_\_\_\_ hearing handicap questionnaire examines communication function in four domains including family, self, social-vocational and general communication experience.

**Options :**

1. ✘ Hearing Handicap Inventory in the Elderly
2. ✔ Denvar scale of communication function
3. ✘ Hearing Handicap scale
4. ✘ Hearing Performance Inventory

**Question Number : 78 Question Id : 2307962478 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0.25**

Spill-over effect is present in \_\_\_\_\_ assistive listening devices.

**Options :**

1. ✘ FM System
2. ✘ hardwire system
3. ✔ induction loop system
4. ✘ infra red system

**Question Number : 79 Question Id : 2307962479 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0.25**

\_\_\_\_\_ auditory training program is primarily based on analytic approach.

**Options :**

1. ✘ Listening and Communication Enhancement (LACE)
2. ✘ Computer Assisted Speech Perception (CASPER)
3. ✔ Computer Assisted Speech Training (CAST)
4. ✘ Active communication Education (ACE)

**Question Number : 80 Question Id : 2307962480 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0.25**

The acoustic conditions of a listening environment in which a hearing assistive technology may be most useful includes \_\_\_\_\_ .

**Options :**

1. ✔ high level of background noise
2. ✘ low levels of background noise
3. ✘ low levels of room reverberation

4. ✘ low level of background noise & reverberation

**Question Number : 81 Question Id : 2307962481 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0.25**

The formula for calculating noise dose is\_\_\_\_\_.

**Options :**

1. ✘  $Dose=100(C1 + T1 \times C2 + T2 \times \dots \times Cn + Tn)$

2. ✔  $Dose=100(C1/T1 + C2/T2 + \dots + Cn/Tn)$

3. ✘  $Dose=100(C1 -T1 \times C2 - T2 \times \dots \times Cn - Tn)$

4. ✘  $Dose=100(C1 \times T1 + C2 \times T2 + \dots + Cn \times Tn)$

**Question Number : 82 Question Id : 2307962482 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0.25**

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

**Options :**

1. ✔ 52.5% and 50.62%

2. ✘ 52.5% and 55%

3. ✘ 55% and 59%

4. ✘ 59% and 55%

**Question Number : 83 Question Id : 2307962483 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, 'hard of hearing' means \_\_\_\_\_ .

**Options :**

1. ✓ person with 60 to 70 dB hearing loss in the speech frequencies
2. ✘ person with 75 dB hearing loss in the speech frequencies
3. ✘ person with 80 dB hearing loss in the speech frequencies
4. ✘ There is no information given for 'hard of hearing'

**Question Number : 84 Question Id : 2307962484 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0.25**

Metacognitive strategies used for listening comprehension rely on \_\_\_\_\_ .

**Options :**

1. ✘ understanding task demands; constantly shifting attention; identifying important parts of message
2. ✘ understanding task demands; appropriately allocating attention; identifying all parts of message
3. ✓ understanding task demands; appropriately allocating attention; identifying important parts of message
4. ✘ understanding task demands; constantly shifting attention; identifying all parts of message

**Question Number : 85 Question Id : 2307962485 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0.25**

The ratio of sensitivity for frontal sounds relative to the sensitivity averaged across all other direction is called as \_\_\_\_\_ .

**Options :**

1. ✘ front to back ratio
2. ✘ directional Index
3. ✓ directivity Index
4. ✘ omni directional index



**Question Number : 86 Question Id : 2307962486 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0.25**

NAL-NL1 specifies insertion gain at each standard 1/3 octave frequency from \_\_\_\_\_.

**Options :**

1. ✘ 250 to 4000 Hz
2. ✘ 500 to 4000 Hz
3. ✘ 250 Hz to 8000 Hz
4. ✔ 125 Hz to 8000 Hz

**Question Number : 87 Question Id : 2307962487 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0.25**

The OAE amplitude in the \_\_\_\_\_ is reduced in the parents who are obligate carriers of Usher syndrome condition.

**Options :**

1. ✘ low frequency range
2. ✔ mid frequency range
3. ✘ high frequencies up to 8000 Hz
4. ✘ high frequencies above 8000 Hz

**Question Number : 88 Question Id : 2307962488 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0.25**

There is \_\_\_\_\_ between the quality of the middle ear effusion and the tympanometric peak pressure.

**Options :**

1. ✘ positive correlation
2. ✘ negative correlation
3. ✔ no relation

4. ✘ positive and negative correlation

**Question Number : 89 Question Id : 2307962489 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0.25**

Paracusis dysharmonica is a characteristic of \_\_\_\_\_ .

**Options :**

1. ✔ Meniere's Disease
2. ✘ SOM
3. ✘ Otosclerosis
4. ✘ Chronic otitis Media

**Question Number : 90 Question Id : 2307962490 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0.25**

In a sound level meter, smaller the microphones \_\_\_\_\_ .

**Options :**

1. ✘ lower is the upper frequency cut-off and higher is the frequency sensitivity
2. ✘ higher is the upper frequency cut-off and higher is the sensitivity
3. ✔ higher is the upper frequency cut- off and lesser is the frequency sensitivity
4. ✘ lower is the upper frequency cut-off and lesser is the frequency sensitivity

**Question Number : 91 Question Id : 2307962491 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0.25**

In the optimized masking method the initial masking level is set to \_\_\_\_\_ .

**Options :**

1. ✘ the AC threshold of the non-test ear
2. ✘ the BC threshold of the test ear minus 10 dB
3. ✘ the AC threshold of the non-test ear minus 10 dB

4. ✓ the AC threshold of the test ear minus 10 dB

**Question Number : 92 Question Id : 2307962492 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0.25**

What is the punishment for fraudulently availing any benefit meant for persons with benchmark disabilities as per RPWD Act?

**Options :**

1. ✘ 4 or 5 years imprisonment & fine up to 4 lakh rupees
2. ✓ 1 or 2 year/s imprisonment & fine up to 1 lakh rupees
3. ✘ 6 months imprisonment and fine up to 2 lakh rupees
4. ✘ 3 years imprisonment and fine up to 3 lakh rupees

**Question Number : 93 Question Id : 2307962493 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0.25**

SWOT analysis refers to obtaining information regarding \_\_\_\_\_ .

**Options :**

1. ✓ strength, weakness, opportunity, and threats
2. ✘ surety, weakness, organization, and threats
3. ✘ stability, weakness, organization, and training
4. ✘ stability, weakness, opportunity, and training

**Question Number : 94 Question Id : 2307962494 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0.25**

Presbystasis refers to the \_\_\_\_\_ .

**Options :**

1. ✘ loss of cochlear nerve and vestibular nerve function associated with ageing
2. ✘ loss of hearing and balance function associated with ageing

3. ✘ loss of hearing and vestibular function associated with ageing

4. ✔ loss of vestibular and balance function associated with ageing

**Question Number : 95 Question Id : 2307962495 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0.25**

Which of the following material is not used to make soft ear moulds?

**Options :**

1. ✘ Polyethylene

2. ✔ Lucite

3. ✘ Silicone

4. ✘ Polyvinyl Chloride

**Question Number : 96 Question Id : 2307962496 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0.25**

TROCA : Threshold estimation :: TORCH : \_\_\_\_\_.

**Options :**

1. ✘ Otoscope

2. ✘ Visual reinforcement

3. ✔ Infection

4. ✘ Developmental milestones

**Question Number : 97 Question Id : 2307962497 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0.25**

Air-bone gap in an audiogram due to an inner ear problem can be observed in \_\_\_\_\_ .

**Options :**

1. ✘ Superior semicircular canal dehiscence

2. ✘ Large vestibular aqueduct

3. ✓ Superior semicircular canal dehiscence & Large vestibular aqueduct

4. ✗ Ototoxicity

**Question Number : 98 Question Id : 2307962498 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0.25**

According to 10-20 system, the electrode site A2 refers to \_\_\_\_\_ .

**Options :**

1. ✗ left mastoid

2. ✗ right mastoid

3. ✗ left ear lobe

4. ✓ right ear lobe

**Question Number : 99 Question Id : 2307962499 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0.25**

Contralateral suppression is mediated by \_\_\_\_\_

**Options :**

1. ✗ Stapedious muscle

2. ✓ Medial Olivocochlear Bundle

3. ✗ Lateral Olivocochlear Bundle

4. ✗ Inferior Collicules

**Question Number : 100 Question Id : 2307962500 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0.25**

The active force-producing motor of cochlea is \_\_\_\_\_

**Options :**

1. ✗ tectorial membrane

2. ✓ outer hair cells

3. ✖ inner hair cells
4. ✖ supporting cells