



Audiology – Sample Questions

Multiple choice questions

(Four - five options) Select 1 answer only

1. Middle evoked responses are those that occur _____ msec. after the presentation of the signal.

1. 0 - 10
2. 10 - 50
3. 50 - 100
4. 100 – 300

The correct answer is number 2 and will be marked thus on the answer sheet:

1 **2** 3 4

2. A patient has a 40 dBHL hearing loss caused by otosclerosis in the left ear. Acoustic reflexes with contralateral stimulation would probably result in which of the following?

1. Absent right, absent left
2. Present right, present left
3. Present right, absent left
4. Absent right, present left

The correct answer is number 1 and will be marked thus on the answer sheet:

1 2 3 4

3. Which of the following conditions places a child at greater risk for otitis media?

1. Apert syndrome
2. Cleft palate
3. Congenital rubella
4. Usher's syndrome
5. Congenital perinatal infection

The correct answer is number 2 and will be marked thus on the answer sheet:

1 **2** 3 4 5

4. Delayed auditory feedback is a procedure used in the diagnosis of which of the following?

1. Pseudohypacusis
2. Diplacusis
3. Hyperacusis Willisii
4. Tolio effect

The correct answer is number 1 and will be marked thus on the answer sheet:

1 2 3 4

5. Which of the following results is typical of presbycusis?
1. Decrement in the PI-SSI function as compared to the PI-PB monosyllable word function.
 2. Absent acoustic reflexes at all test frequencies.
 3. Less than 20 dB difference between pure tone air conduction and acoustic reflex thresholds.
 4. Precipitous high frequency hearing loss.

The correct answer is number 1 and will be marked thus on the answer sheet:

1 2 3 4

6. Which of the following is the strongest indicator of hearing aid candidacy in older hearing impaired adults?
1. Degree of hearing loss.
 2. Good word recognition scores at high signal levels.
 3. A decrease in word recognition score at conversation level as compared to comfortable level.
 4. The reported psychosocial hearing handicaps.

The correct answer is number 4 and will be marked thus on the answer sheet:

1 2 3 4

7. The weighting network of the sound level meter which is used to assess the potential hazard to the human ear of a noise is which of the following?
1. A network.
 2. B network.
 3. C network.
 4. D network

The correct answer is number 1 and will be marked thus on the answer sheet:

1 2 3 4

8. The prevalence of otosclerosis is highest for which of the following groups?
1. Caucasian females.
 2. Caucasian males.
 3. Black females.
 4. Black males.

The correct answer is number 1 and will be marked thus on the answer sheet:

1 2 3 4

9. What is the main reason for correcting the raw-score (% error) with the SSW test?
1. To take into account for influences of peripheral hearing loss.
 2. To calculate a percentage score.
 3. To take into account individual differences.
 4. To take into account the personal performance of the individual.

The correct answer is number 1 and will be marked thus on the answer sheet:

1 2 3 4

10. In the presence of a flat moderate unilateral conductive hearing loss, what would be the expected contra lateral acoustic reflex thresholds?
1. Present binaurally at normal levels.
 2. Elevated by the amount of hearing loss in the affected ear.
 3. Absent monaurally in the majority of patients.
 4. Absent bilaterally in the majority of patients.

The correct answer is number 4 and will be marked thus on the answer sheet:

1 2 3 4

11. The most accurate estimate of the SPL generated in the ear canal by a hearing aid under normal use will be measured by a probe-tube microphone system employing which of the following equalization procedures?
1. Pressure.
 2. Modified equivalent substitution.
 3. Modified pressure.
 4. Substitution.

The correct answer is number 4 and will be marked thus on the answer sheet:

1 2 3 4

12. Most right-handed people demonstrate an ear preference. This is consistent with contralateral hemisphere laterality for language in the brain. This hemispheric asymmetry and specialization can be demonstrated by which of the following?
1. In about 60% of right-handers.
 2. In about 30% of left-handers.
 3. Through dichotic listening tasks in about 80% of right-handers.
 4. Through dichotic listening tasks in the majority of right and left-handers.

The correct answer is number 3 and will be marked thus on the answer sheet:

1 2 3 4

Case-based scenarios

(With two multiple choice questions)

1. Ms. Fenwood is a fifty-four year old woman who works as a teacher. She has noticed a gradual onset of difficulty hearing in the presence of background noise. She has a feeling of fullness in her left ear and has difficulty hearing on the telephone in that ear.

The results of an audiometric evaluation indicated normal hearing right ear and a mild to moderate high frequency sensorineural hearing loss left ear. Immittance testing indicated normal tympanogram width and static admittance right ear; normal tympanogram width and high static admittance left ear. Acoustic reflexes are displayed on the chart below.

		Pure Tone Audiogram							
		250	500	1000	2000	3000	4000	6000	8000
Right ear (Hz)									
Air Conduction (dB)		10	15	10	10	15	15	20	20
Bone Conduction		5	10	10	10	10	10		
Left ear (Hz)									
Air Conduction		15	15	25	20	25	35	55	65
Bone Conduction		10	10	25	15	20	30		
		Word Recognition Score							
Right ear		100% at 80 dB							
Left ear		72% at 80 dB							

		Immittance		
Right ear		Peak Pressure = -5 daPa	Gradient = 15 daPa	Static Admittance = 1.8 ml
Left ear		Peak Pressure = +10 daPa	Gradient = 30 daPa	Static Admittance = 4.5 ml

		Acoustic Reflexes			
		500 Hz	1000 Hz	2000 Hz	4000 Hz
Stimulating right ear	Contra	No response	No response	No response	No response
	Ipsi	95	95	95	No test

Stimulating left ear	Contra	100	100	100	No response
	Ipsi	No response	No response	No response	No test

- A. Which of the following would be the highest priority for appropriate clinical management in Ms. Fenwood’s case?
 1. high frequency audiometry
 2. real ear unaided response measurement
 3. counseling on communication strategies in background noise
 4. auditory evoked potential testing

The correct answer is number 4 and will be marked thus on the answer sheet.

1 2 3 **4**

B. Which of the following etiology should the Audiologist first rule out before considering aural rehabilitation?

1. noise induced hearing loss
2. cerebellopontine angle tumor
3. autosomal recessive inheritance
4. ossicular disarticulation

The correct answer is number 2 and will be marked thus on the answer sheet.

1 2 3 4

Matching Items

1. For each of the ear mould acoustic options described in the following, select the most appropriate effect on low frequencies below 750 Hz. listed below. Each option may be used once, more than once or not at all.

1. Negligible
2. Increase
3. Decrease
4. Eliminates

A. Increase the tubing diameter.

The correct answer is number 1 and will be marked thus on the answer sheet:

1 2 3 4

B. Increase tubing length.

The correct answer is number 2 and will be marked thus on the answer sheet:

1 2 3 4

C. Non-occluding earmold.

The correct answer is number 4 and will be marked thus on the answer sheet:

1 2 3 4

D. Larger bore diameter.

The correct answer is number 1 and will be marked thus on the answer sheet:

1 2 3 4

E. Filter insert at hearing aid nub.

The correct answer is number 1 and will be marked thus on the answer sheet:

1 2 3 4