Week 9 - Assignment 1

The due date for submitting this assignment has passed. **Due on 2018-04-04, 23:59 IST.**

Submitted assignment

Questions on Audio

1) Auditory localization is based on:  
   i. Slightly different arrival times of the sound between the two ears  
   ii. Slightly different loudness of the sound between the two ears  
   iii. Slightly different pitch of the sound between the two ears  
   iv. Different objects producing sound at different times
   
   **No, the answer is incorrect.**
   **Score: 0**
   **Accepted Answers:**  
   i and ii only

2) The amplitude of a sound wave determines the
   
   **No, the answer is incorrect.**
   **Score: 0**
   **Accepted Answers:**  
   Loudness

3) Tarun is hearing a ringing bell sound which is called __________, and then he interprets that the sound is his alarm clock which is called ___________
   
   **No, the answer is incorrect.**
   **Score: 0**
   **Accepted Answers:**  
   Sensation & Perception

4) Tiny bones in ear which transmits vibrations to the inner ear __________
   
   **No, the answer is incorrect.**
   **Score: 0**
   **Accepted Answers:**  
   Sensation & Perception

https://onlinecourses.nptel.ac.in/noc18_ge08/unit?unit=21&assessment=129
Week 12
DOWNLOAD
VIDEOS

No, the answer is incorrect.
Score: 0
Accepted Answers:
Ossicles

5) Tarun has misplaced his cell phone, and he asked a friend to call him so he can hear its high-pitched, musical ring. Assuming the ringer is on and is loud enough to hear, what would tell his brain that the phone is somewhere directly to his left?

- The pitch of the ring sounds slightly higher in his left ear
- The ringer sounds slightly louder in his left ear than his right ear
- The bass notes of the ring sounds slightly higher in his left ear
- He hear the ring in his left ear but not on right

No, the answer is incorrect.
Score: 0
Accepted Answers:
The ringer sounds slightly louder in his left ear than his right ear

6) The reason for the scenario given in question 5 is:

- Interaural level difference
- Ear Anatomy of individual person
- Interaural time difference

No, the answer is incorrect.
Score: 0
Accepted Answers:
Interaural time difference

7) Pick the correct answers:

i. HRTF is a function used in acoustics, for sound localization.
ii. HRTF is a function of four variables: three space coordinates and frequency
iii. HRTF is unique for each individual
iv. Reverberation is the collection of all the reflected sounds in an open space
v. Reverberation time is the time required for the sound to decay from one millionth of the original power

- i, ii and iv only
- i, ii, iii and v only
- i and v only
- i and iv only

No, the answer is incorrect.
Score: 0
Accepted Answers:
i, ii, iii and v only