Assignment 8

The due date is for submitting this assignment two weeks past. As per our regulars, you must submit this assignment before the deadline.

Week 8

1. The following scenarios are intended to be "true companions" for the visually impaired according to Prof. Pohl Ro in his lecture "Sensory For the Blind: A Sensory Diary "
   - Church service
   - White cane
   - Blind watch
   - Blind glasses
   - No, the answer is incorrect. Notes: Sensory For the Blind

2. Why was audio feedback not used for the blind cane?
   - Users did not want to declare that they were visually impaired to the people around them.
   - Some locations such as markets and train stations were too difficult to hear the audio.
   - Audio feedback is an expensive technological concern.
   - Audio feedback was difficult for the users to understand.
   - No, the answer is incorrect. Notes: Audio Feedback

3. In the very first prototypes of the Smart cane, what was wrong as pointed out by the same users?
   - The center of gravity of the device was off.
   - The design of the device was small and compact.
   - The material of the device was akin-friendly.
   - All of the above.
   - No, the answer is incorrect. Notes: Prototypes

   - What is the basic height of the detection range of the Smart cane?
   - 1 foot
   - 5 feet 6 inches
   - 3 feet 11 inches
   - 7 feet 2 inches
   - No, the answer is incorrect. Notes: Basic Height

   - How far off can an obstacle be for the Smart cane to start beeping?
   - 1 meter
   - 2 meter
   - 3 meter
   - 4 meter
   - No, the answer is incorrect. Notes: Basic Range

   - Why was it bad idea to embed tactile instructions on the version 2 of the Smart cane?
   - It's difficult for the visually impaired person to read tactile on curved surfaces.
   - The embedded tactile letters were not legible.
   - It was difficult to decode in which language the tactile instructions should be embossed.
   - The embossed tactile letters were taking up too much space.
   - No, the answer is incorrect. Notes: Basic Height

   - Why was the Smart cane user's dimensions changed to that of a five-fielded white cane instead of a four-fielded white cane?
   - To reduce the cost of manufacturing.
   - To accommodate the height of the user in a woman's purse.
   - An advisory decision.
   - None of the above.
   - No, the answer is incorrect. Notes: Basic Range

   - Why is the decorativeness factor of the Smart cane important?
   - In case the white cane gets damaged, the smart cane can be used.
   - There is no need to buy a separate white cane to use the smart cane.
   - It's efficient to clean the white cane when it's dirty.
   - To keep the Smart cane for a few years when it starts taking
   - No, the answer is incorrect. Notes: Basic Range

   - In which of the following cities did the Smart cane fail at the "real-location travel" stage?
   - Bronx
   - Brooklyn
   - Manhattan
   - Queens
   - No, the answer is incorrect. Notes: Basic Range

   - Why was the angle of detection feature kept adjustable in the Smart cane?
   - Because users had different heights according to their preferences.
   - To accommodate for different light sizes.
   - Because the alternative sensor had to see the vertical range from the angle.
   - All of the above.
   - No, the answer is incorrect. Notes: Basic Range

   - Which of the following Trusts took care of the development cost of the Smart cane?
   - Port Trust
   - Rockefeller Trust
   - Blind Trust
   - Sorrel Trust
   - No, the answer is incorrect. Notes: Basic Range

   15. Sensibility of different heights can adjust according to their preferences
   - No, the answer is incorrect. Notes: Basic Range

   16. Which of the following Trusts took care of the development cost of the Smart cane?
   - Port Trust
   - Rockefeller Trust
   - Blind Trust
   - Sorrel Trust
   - No, the answer is incorrect. Notes: Basic Range