Assignment 2

Due on 2019-09-01, 23:59 IST

1. You have been given several instruments to measure different physical parameters. Describe the instruments and answer the following questions (1 to 3):

   a. What are the instruments you have been given?
      - Options: A, B, C, D, E, F, G, H

   b. How many instruments do you have in total?

   c. Which instrument is used to measure:
      - Options: Heart rate, Blood pressure, Body temperature, Oxygen saturation

2. You are designing a seating model for a particular population and don't have the idea of any physical characteristics for them. Which instrument will you use?

   a. Heart rate
   b. Blood pressure
   c. Oxygen saturation
   d. Body mass index

   d. Which instrument is used to measure:
      - Options: Height, Weight, Body mass index

3. You are adjusting the arm posture and related workstation design. Which instrument will you use?

   a. Heart rate
   b. Blood pressure
   c. Body mass index
   d. Oxygen saturation

4. You are5. measuring the lighting condition of an office you need to carry which meter?

   a. Light meter
   b. Temperature meter
   c. Humidity meter
   d. Oxygen meter

5. You are designing a chair in a heavy traffic zone and that has a specific problem. Which instrument is required to measure the problematic factor?

   a. Heart rate
   b. Blood pressure
   c. Body mass index
   d. Oxygen saturation

6. Which instrument is most important to assess the physical environment in a restaurant kitchen?

   a. Light meter
   b. Temperature meter
   c. Humidity meter
   d. Oxygen meter

7. You are designing a safety control with switches and buttons. Which instrument will help you to decide the maximum 'threshold' to operate these?

   a. Heart rate
   b. Blood pressure
   c. Body mass index
   d. Oxygen saturation

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**Notes**

- A: Heart rate
- B: Blood pressure
- C: Body mass index
- D: Oxygen saturation
- E: Light meter
- F: Temperature meter
- G: Humidity meter
- H: Oxygen meter