Unit 3 - WEEK 1

Assignment 1

The due date for submitting this assignment has passed. Due on 2019-08-14, 23:59 IST. As per our records you have not submitted this assignment.

1) Insensate loss of moisture from the body at 23°C ambient temperature is about

- 0.6 litres per hour
- 0.6 litres per day
- 6 litres per hour
- 6 litres per day

No, the answer is incorrect.
Score: 0
Accepted Answers:
0.6 litres per day

2) When the ambient temperature is 45°C with no air movement, the correct statement(s) amongst the following is/are

- Cooling by perspiration is about 109 watts
- Heating by conduction is about 109 watts
- Heating by radiation is about 109 watts
- Heating by convection is about 109 watts

No, the answer is incorrect.
Score: 0
Accepted Answers:
Heating by radiation is about 109 watts

3) The correct statement(s) amongst the following for conjoint analysis technique is/are

- The product attributes are the dependent variable
- The attributes and their levels cannot be varied

1 point
Relative importance of each factor is worked backwards from the choices or ratings
Consumer attitude is judged using multi-attribute choice alternatives within a specified experimental design

No, the answer is incorrect.
Score: 0
Accepted Answers:
- Relative importance of each factor is worked backwards from the choices or ratings
- Consumer attitude is judged using multi-attribute choice alternatives within a specified experimental design

4) The metabolic heat produced by a normal person during high activity level is

- 80-90 watts 
- 8-9 watts 
- 1-5 Watts 
- 1-5 kWatts 

No, the answer is incorrect.
Score: 0
Accepted Answers:
- 1-5 kWatts

5) The correct statement(s) amongst the following is/are

- Thermal insulation of clothing is reduced by bellow effect
- Conduction alone can provide enough cooling at ordinary room temperature
- The metabolic heat produced by a normal person in normal condition is 80-90 Watts
- During high level of activity, the thermal insulation of the clothing usually decreases.

No, the answer is incorrect.
Score: 0
Accepted Answers:
- Thermal insulation of clothing is reduced by bellow effect
- The metabolic heat produced by a normal person in normal condition is 80-90 Watts
- During high level of activity, the thermal insulation of the clothing usually decreases.

6) The most important heat transfer mechanism amongst the following at ordinary room temperature is

- Conduction
- Convection
- Perspiration
- Radiation

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

7) The correct statement(s) amongst the following with respect to multi-layer clothing, is/are

- Middle layer is meant to provide insulation
- Inner layer provides the tactile functions
- The outer layer provides protection from extreme environmental factors
- The functions of different layers are interchangeable.

No, the answer is incorrect.
Score: 0
Accepted Answers:
- Middle layer is meant to provide insulation
8) The clothing design feature amongst the following that should be avoided to prevent overheating of body is

- Creating openings
- Designing tight fit clothing
- Providing full-length zippers
- Use of impermeable materials

No, the answer is incorrect.
Score: 0
Accepted Answers:
Use of impermeable materials

9) The microclimate for clothing is 34°C with 80% Relative Humidity. The clothing comfort can be categorised into which of the following categories?

- Comfortable
- Rather uncomfortable
- Uncomfortable
- Very uncomfortable

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