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[NPTEL \(https://swayam.gov.in/explorer?ncCode=NPTEL\)](https://swayam.gov.in/explorer?ncCode=NPTEL) » [Science of Clothing Comfort \(course\)](#)
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## Unit 3 - WEEK 1

### Course outline

#### How to access the portal

#### Prerequisite Assignment Zero

#### WEEK 1

- [Science of Clothing Comfort - Outline \(unit? unit=7&lesson=8\)](#)
- [Understanding Clothing and Clothing Comfort \(unit? unit=7&lesson=9\)](#)
- [Understanding Clothing and Clothing Comfort Cont.... \(unit? unit=7&lesson=10\)](#)
- [Understanding Clothing and Clothing Comfort Cont.... \(unit? unit=7&lesson=11\)](#)

## 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 **1 point**

- 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 **1 point**

- 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 **1 point**

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

Quiz :  
**Assignment 1**  
(assessment?  
name=61)

Feedback Form  
(unit?  
unit=7&lesson=74)

**WEEK 2**

**Week 3**

**Week 4**

**Week 5**

**Week 6**

**Week 7**

**Week 8**

**Week 9**

**Week 10**

**Week 11**

**Week 12**

**Text Transcripts**

- 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:

*The product attributes are the dependent variable*

*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 **1 point**

- 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 **1 point**

- 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 **1 point**

- 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 **1 point**

- 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*

*Inner layer provides the tactile functions*

*The outer layer provides protection from extreme environmental factors*

8) The clothing design feature amongst the following that should be avoided to prevent overheating of body is

**1 point**

- 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?

**1 point**

- Comfortable
- Rather uncomfortable
- Uncomfortable
- Very uncomfortable

No, the answer is incorrect.

Score: 0

Accepted Answers:

*Uncomfortable*