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Unit 6 - Week 4

Course outline

How to access the portal

Prerequisite Assignment Zero

WEEK 1

WEEK 2

Week 3

Week 4

- Neurophysiological Processes in Clothing Comfort Cont... (unit? unit=20&lesson=21)
- Neurophysiological Processes in Clothing Comfort Cont... (unit? unit=20&lesson=22)
- Neurophysiological Processes in Clothing Comfort Cont...

Week 4 Assignment 4

The due date for submitting this assignment has passed. **Due on 2019-08-28, 23:59 IST.**
As per our records you have not submitted this assignment.

1) The correct statement(s) amongst the following is/are 1 point

- Insulation of clothing is almost lost when it becomes wet
- Insulation of clothing increases when it becomes wet
- The concentration of the sweat glands is lowest at the forehead
- The concentration of the sweat glands is highest at the forehead

No, the answer is incorrect.
Score: 0

Accepted Answers:

Insulation of clothing is almost lost when it becomes wet

The concentration of the sweat glands is highest at the forehead

2) The correct statement(s) amongst the following is/are 1 point

- The person acclimatized to hot climate will not look drier and feel cooler than the one who is new to the place
- The person acclimatized to hot climate will look drier and feel cooler than the one who is new to the place
- The cooling effect in the body is achieved in hot conditions by evaporation of sweat
- The cooling effect in the body is achieved in hot conditions by dripping of the sweat

No, the answer is incorrect.
Score: 0

Accepted Answers:

The person acclimatized to hot climate will look drier and feel cooler than the one who is new to the place

The cooling effect in the body is achieved in hot conditions by evaporation of sweat

3) The mean two point threshold distance (mm) is maximum at 1 point

(unit?
unit=20&lesson=23)

- Neurophysiological Processes in Clothing Comfort Cont...

(unit?
unit=20&lesson=24)

- Quiz : Week 4 Assignment 4 (assessment? name=65)

Week 5

Week 6

Week 7

Week 8

Week 9

Week 10

Week 11

Week 12

Text Transcripts

- Finger
- Thigh
- Calf
- Back

No, the answer is incorrect.

Score: 0

Accepted Answers:

Calf

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

1 point

- Hot pain receptors are active beyond 50°C
- Hot pain receptors are active below 50°C
- Cold receptors are active below 5°C
- Cold receptors are active above 5°C

No, the answer is incorrect.

Score: 0

Accepted Answers:

Hot pain receptors are active beyond 50°C

Cold receptors are active above 5°C

5) The incorrect statement(s) amongst the following in case of cold thermoreceptors with sudden drop in temperature is/are **1 point**

- The impulse frequency increases consistently
- The impulse frequency decreases rapidly at first, then it increases and reaches a steady state level
- The impulse frequency decreases consistently
- The impulse frequency increases rapidly at first, then it drops and reaches a steady state level

No, the answer is incorrect.

Score: 0

Accepted Answers:

The impulse frequency increases consistently

The impulse frequency decreases rapidly at first, then it increases and reaches a steady state level

The impulse frequency decreases consistently

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

1 point

- There are no receptors in the skin that respond to moisture or dampness sensation
- There are receptors in the skin that respond to moisture or dampness sensation
- The mean two point threshold distance is minimum at finger
- The mean two point threshold distance is minimum at calf

No, the answer is incorrect.

Score: 0

Accepted Answers:

There are no receptors in the skin that respond to moisture or dampness sensation

The mean two point threshold distance is minimum at finger

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

1 point

- Humans are more sensitive to danger from cold than heat due to high number and shallower depth of cold thermoreceptor
- Humans are less sensitive to danger from cold than heat due to high number and shallower depth of cold thermoreceptor
- Number of cold receptors per cm² is highest in chest region

- Number of cold receptors per cm^2 is highest in forearm

No, the answer is incorrect.

Score: 0

Accepted Answers:

Humans are more sensitive to danger from cold than heat due to high number and shallower depth of cold thermoreceptor

Number of cold receptors per cm^2 is highest in chest region

- 8) Which of the following yarn leads to least fabric scratchiness sensation **1 point**

- Multifilament yarn
 Monofilament yarn
 Staple fiber yarn
 Coarse multifilament yarn

No, the answer is incorrect.

Score: 0

Accepted Answers:

Staple fiber yarn

- 9) The correct statement(s) amongst the following is/are **1 point**

- Cotton, cashmere, cotton/polyester blend fabric has higher prickle sensation compared to ramie, wool and jute
 Cotton, cashmere, cotton/polyester blend fabric has lower prickle sensation compared to ramie, wool and jute
 Pain receptors responsible for prickle sensation are different than that of itch sensation
 Pain receptors responsible for prickle sensation are same as that of itch sensation

No, the answer is incorrect.

Score: 0

Accepted Answers:

Cotton, cashmere, cotton/polyester blend fabric has lower prickle sensation compared to ramie, wool and jute

Pain receptors responsible for prickle sensation are different than that of itch sensation

- 10) The correct statement(s) amongst the following is/are **1 point**

- The prickle sensation is not felt in fingers, palms or feet due to the absence of nociceptors
 The prickle sensation is felt in fingers, palms or feet due to presence of nociceptors
 Prickle sensation increases with increase in moisture content
 Prickle sensation decreases with increase in moisture content

No, the answer is incorrect.

Score: 0

Accepted Answers:

The prickle sensation is not felt in fingers, palms or feet due to the absence of nociceptors

Prickle sensation increases with increase in moisture content

- 11) The incorrect statement(s) amongst the following when the moisture content on the skin increases is/are **1 point**

- Lesser and lesser touch receptors are stimulated
 Initially more touch receptors are stimulated and it decreases after certain level of moisture content
 There is no effect on the number of touch receptors being stimulated
 More and more touch receptors are stimulated

No, the answer is incorrect.

Score: 0

Accepted Answers:

Lesser and lesser touch receptors are stimulated

Initially more touch receptors are stimulated and it decreases after certain level of moisture content

There is no effect on the number of touch receptors being stimulated

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

1 point

- Inner part of the finger has minimum concentration of cold receptors
- Nose has minimum concentration of cold receptors
- Itch sensation increases with increase in temperature and humidity
- Itch sensation increases with decrease in temperature and humidity

No, the answer is incorrect.

Score: 0

Accepted Answers:

Inner part of the finger has minimum concentration of cold receptors

Itch sensation increases with increase in temperature and humidity