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## Unit 5 - Week 3

### Course outline

#### How to access the portal

#### Prerequisite Assignment Zero

#### WEEK 1

#### WEEK 2

#### Week 3

- Neurophysiological Processes in Clothing Comfort (unit? unit=17&lesson=18)
- Neurophysiological Processes in Clothing Comfort Cont.... (unit? unit=17&lesson=19)
- Quiz : **Assignment 3 (assessment? name=64)**
- Feedback Form (unit? unit=17&lesson=76)

## Assignment 3

The due date for submitting this assignment has passed. **Due on 2019-08-21, 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

- Nociceptors have a relatively high threshold to act
- Mechanoreceptors have a relatively high threshold to act
- Pacinis corpuscle detect rapid vibration and pressure
- Meissners corpuscles detect rapid vibration and pressure

No, the answer is incorrect.  
Score: 0

Accepted Answers:

*Nociceptors have a relatively high threshold to act*

*Pacinis corpuscle detect rapid vibration and pressure*

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

- Ruffinis endings sense tension deep within the skin
- Meissners corpuscle detect the light touch
- Ruffinis endings detect the light touch
- Meissners corpuscles sense tension deep within the skin

No, the answer is incorrect.  
Score: 0

Accepted Answers:

*Ruffinis endings sense tension deep within the skin*

*Meissners corpuscle detect the light touch*

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

- Prickle sensation due to clothing does not last longer than touch sensation
- Prickle sensation due to clothing lasts longer than touch sensation

**Week 4****Week 5****Week 6****Week 7****Week 8****Week 9****Week 10****Week 11****Week 12****Text Transcripts**

- Ruffini nerve ending receptor senses the slipping of garment on the body
- Merkel nerve endings receptor senses the slipping of garment on the body

No, the answer is incorrect.  
Score: 0

Accepted Answers:

*Prickle sensation due to clothing lasts longer than touch sensation*

*Ruffini nerve ending receptor senses the slipping of garment on the body*

4) The following receptor(s) located in the fingertips is responsible for sensing the fabric textures **1 point**  
of size less than 200 micrometres

- Pacinis corpuscles
- Merkel nerve endings
- Meissners corpuscles
- Ruffini nerve ending

No, the answer is incorrect.  
Score: 0

Accepted Answers:

*Pacinis corpuscles*

5) The incorrect statement (s) amongst the following for Merkel Nerve endings is/are **1 point**

- They are fast adapting mechano receptors
- Due to these receptors, the wearer stops feeling clothing after certain time
- These are the most sensitive mechanoreceptors to vibrate at low frequency in the range 5-15Hz.
- These are structurally not rigid and encapsulated.

No, the answer is incorrect.  
Score: 0

Accepted Answers:

*They are fast adapting mechano receptors*

*Due to these receptors, the wearer stops feeling clothing after certain time*

*These are structurally not rigid and encapsulated.*

6) Which of the following can express polymodality **1 point**

- Free nerve endings
- Cold receptors
- Meissners corpuscles
- Merkel nerve ending

No, the answer is incorrect.  
Score: 0

Accepted Answers:

*Free nerve endings*

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

- Pacinis corpuscle respond when pressure on skin is steady
- Pacinis corpuscle respond when pressure on skin is not steady
- Due to tactile corpuscles the wearer stops feeling his clothing after certain time
- Due to pacinis corpuscles the wearer stops feeling his clothing after certain time

No, the answer is incorrect.  
Score: 0

Accepted Answers:

*Pacinis corpuscle respond when pressure on skin is not steady*

*Due to tactile corpuscles the wearer stops feeling his clothing after certain time*

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

**1 point**

- Pacinis corpuscles detect the vibration in the frequency range of 200-300 Hz
- Pacinis corpuscles detect the vibration in the frequency range of 900-1200 Hz
- Ruffini endings are not found in hairless regions of the body
- Ruffini endings are found in hairless regions of the body

No, the answer is incorrect.

Score: 0

Accepted Answers:

*Pacinis corpuscles detect the vibration in the frequency range of 200-300 Hz*

*Ruffini endings are found in hairless regions of the body*