Unit 5 - Week 3

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

- 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

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

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

No, the answer is incorrect.
Score: 0
Accepted Answers:
Prickle sensation due to clothing does not last longer than touch sensation
Prickle sensation due to clothing lasts longer than touch sensation
4) The following receptor(s) located in the fingertips is responsible for sensing the fabric textures 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

- 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

- 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

- 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

- Pacinian corpuscles detect the vibration in the frequency range of 200-300 Hz
- Pacinian 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:

*Pacinian corpuscles detect the vibration in the frequency range of 200-300 Hz
*Ruffini endings are found in hairless regions of the body*