

ICSE -8th -Biology Nervous System

Multiple Choice Questions:

1. Put a tick mark (✓) against the correct alternative in the following statements:

(a) Medulla oblongata controls

1. Smelling
2. Beating of heart and respiratory movement
3. Intelligence and will power
4. Balancing the body

(b) Balance of body is controlled by:

1. Spinal cord
2. Cerebellum
3. Cerebrum
4. Medulla

(c) The smell of good food causes watering of your mouth. It is a

1. Natural reflex
2. Acquired reflex
3. Inborn reflex
4. Ordinary reflex

(d) The structural and functional unit of nervous system is a

1. Axon
2. Nephron
3. Neuron
4. Texon

Short Answer Questions:

Question 1.

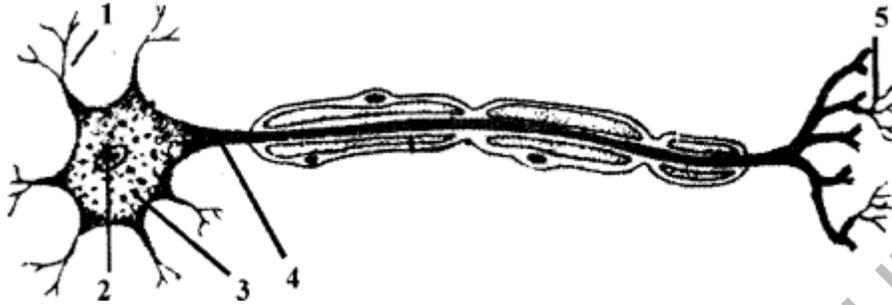
Name the two types of coordination which take place in our body.

Question 2.

You are driving your bicycle at a fast speed. Suddenly, a small boy comes in front of your cycle and, without wasting any time in thinking, you immediately apply the brakes and accident is avoided. What name is given to such an action?

Question 3.

Given below is the diagram of a neuron. Name the parts numbered 1-5.



Question 4.

Write one word in the space provided to complete the second pair of the related words pertaining to nervous system.

Memory : cerebrum : : breathing :

Balance : cerebellum : : reasoning :

Question 5.

Differentiate between the following pair of terms:

- (a) Stimulus and impulse
- (b) Receptor and effector
- (c) Motor nerve and sensory nerve

Question 6.

- (a) Name the three major divisions of the human nervous system.
- (b) Name the three main parts of human brain.

Question 7.

Give the function of each of the following:

- (a) Olfactory nerve:
- (b) Optic nerve:
- (c) Facial nerve:

Long answer questions

Question 1.

With the help of a suitable diagram describe the structures of a neuron.

Question 2.

Briefly describe the structure of the cerebrum in human brain and mention its functions.

Question 3.

Mention the three functions of spinal cord.

Question 4.

With the help of suitable example, describe reflex action.

Question 5.

Describe three kinds of nerves, giving the example of each.

Question 6.

Differentiate between natural reflex and conditioned reflex. Give examples to illustrate your answer.

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