



# BIOLOGY

## BOOKS - ICSE

### NERVOUS SYSTEM

**Review Questions Multiple Choice Questions**

**1. Medulla oblongata controls**

A. smelling

B. beating of heart and respiratory movement

C. intelligence and will power

D. balancing of the body

**Answer:**



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**2. Balance of body is controlled by**

A. Spinal cord

B. Cerebellum

C. Cerebrum

D. Medulla

**Answer:**



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**3.** Taste of food evokes salivation by a reflex while smell of food causes salivation by a \_\_\_\_\_ reflex

- A. Natural reflex
- B. Acquired reflex
- C. Inborn reflex
- D. Ordinary reflex

**Answer:**



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4. The structural and functional unit of nervous system is

A. Axon

B. Nephron

C. Neuron

D. Dendron

**Answer:**



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**Review Questions Short Answer Questions**

1. 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 the accident is avoided. What name is given to such an action?



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2. Name the following:

The long, extended process of a

neuron:.....



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**3. Name the following:**

The point of contact between two neurons:.....



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**4. Name the following:**

The kind of nerve which carries both sensory

and motor neurons:.....



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**5. Name the following:**

The nerve which connects the eyes to the brain:.....



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**6. Name the following:**

The nerve which connects the nose to the



brain:.....



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**7. Name the following:**

The nerve which connects the ears to the  
brain:.....



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**8. Name the following:**

Two sub-divisions of the peripheral nervous

system:.....



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**9.** Name the parts of that form autonomic nervous system.



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**10.** Define the terms:

Coordination:.....



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**11.** Define the following term : Synapse.



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**12.** Define the following term : Impulse.



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**13.** Define the terms:

Reflex action:.....



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**14. Define the terms:**

Reflex arc:.....



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**Review Questions Long Answer Questions**

**1. Differentiate between the following pairs of terms on the basis of what is indicated with in**

the brackets:

Stimulus and response (definition)



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2. Differentiate between the following pairs of terms on the basis of what is indicated with in the brackets:

Receptor and effector (examples)



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3. Differentiate between the following pairs of terms on the basis of what is indicated with in the brackets:

Motor nerve and sensory nerve (function)



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4. Differentiate between the following pairs of terms on the basis of what is indicated with in the brackets:

Cranial and spinal nerves (number in pairs)





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5. Differentiate between the following pairs of terms on the basis of what is indicated with in the brackets:

Cerebrum and medulla oblongata (function)



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6. Differentiate between the following pairs of terms on the basis of what is indicated with in the brackets:

Cerebrum and spinal cord (arrangement of white and grey matter)



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7. With the help of a suitable diagram, describe the structure and function of a neuron.



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**8.** Briefly describe the structure of the cerebellum in human brain and mention its functions.



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**9.** Mention the three functions of spinal cord.



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**10.** With the help of a suitable example, describe reflex action.



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**11.** Briefly differentiate between the following by giving examples:

a. Voluntary and involuntary action

b. Inborn and acquired reflexes.



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