

# CBSE Class 10 Science MCQ Chapter 7 Control And Coordination

Q1) What is the function of pituitary gland?

- (a) to develop sex organs in males
- (b) to stimulate growth in all organs
- (c) to regulate sugar and salt level in the body
- (d) to initiate metabolism in the body

Correct Answer: Option (b)

Q2) Which option correctly shows the order of events when a bright light is focused on our eyes?

- (a) Bright light → receptors in eyes → sensory neuron → spinal cord → motor neurons → eyelid closes
- (b) Bright light → receptors in eyes → spinal cord → sensory neuron → motor neurons → eyelid closes
- (c) Bright light → receptors in eyes → sensory neuron → motor neurons → spinal cord → eyelid closes
- (d) Bright light → receptors in eyes → spinal cord → motor neurons → sensory neuron → eyelid closes

Correct Answer: Option (a)

Q3) A female is suffering from an irregular menstrual cycle. The doctor prescribed her some hormonal tablets. Which option shows the hormone she lacks in her body from the endocrine gland?

- (a) oestrogen
- (b) testosterone
- (c) adrenalin
- (d) thyroxin

Correct Answer: Option (a)

Q4) When we touch the leaves of “touch-me-not” plant, they begin to fold up and droop. How does the plant communicate the information of touch?

- (a) The plant uses electrical signals to transfer information from the external environment to cells.
- (b) The plant uses electrical- chemical signals to transfer information from cell to cell.
- (c) The plant uses electrical- chemical signals to transfer information from tissue to specialized cells.
- (d) The plant uses electrical signals to transfer information from cell to specialized tissues.

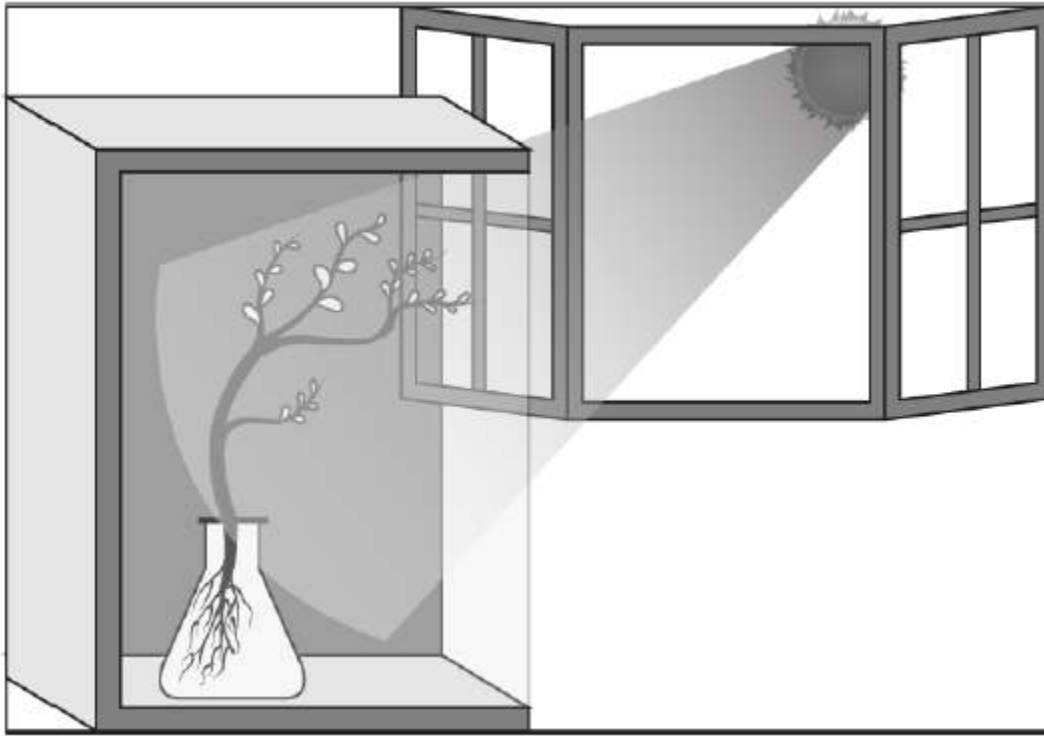
Correct Answer: Option (b)

Q5) How will information travel within a neuron?

- (a) Dendrite -> cell body -> axon -> nerve ending
- (b) Dendrite -> axon -> cell body -> nerve ending
- (c) Axon -> dendrite -> cell body -> nerve ending
- (d) Axon -> cell body -> dendrite -> nerve ending

Correct Answer: Option (a)

Q6) Raghav potted some germinated seeds in a pot. He put the pot in a cardboard box that was open from one side. He keeps the box in a way that the open side of the box faces sunlight near his window. After 2-3 days he observes the shoot bends towards light as shown in image.



Which type of tropism he observes?

- (a) Geotropism
- (b) Phototropism
- (c) Chemotropism
- (d) Hydrotropism

Correct Answer: Option (b)

Q7) Which parts of the brain controls the blood pressure?

- (a) spinal cord, skull, hypothalamus
- (b) cord, skull, cerebrum
- (c) Pons, medulla, cerebellum
- (d) pons, medulla, pituitary

Correct Answer: Option (c)

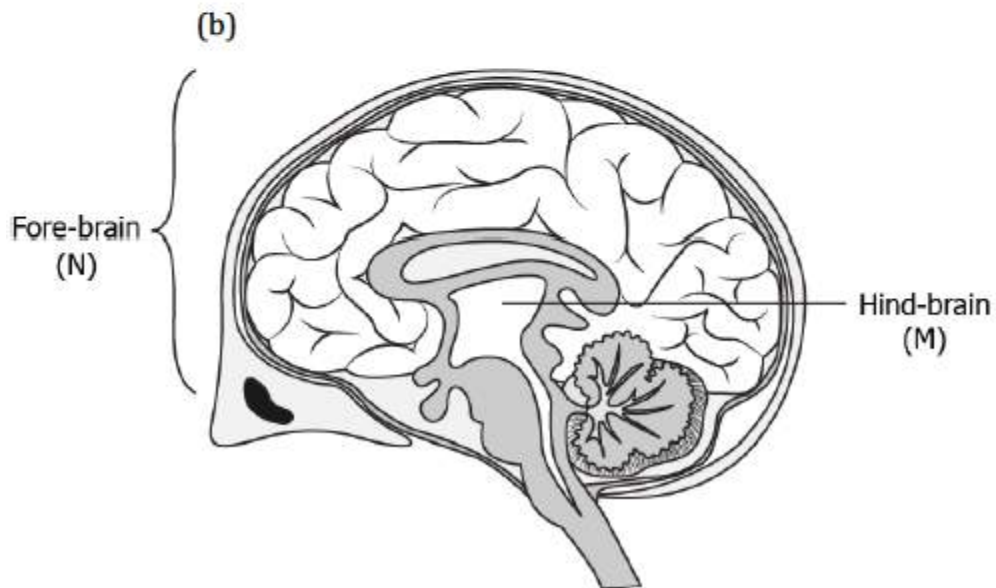
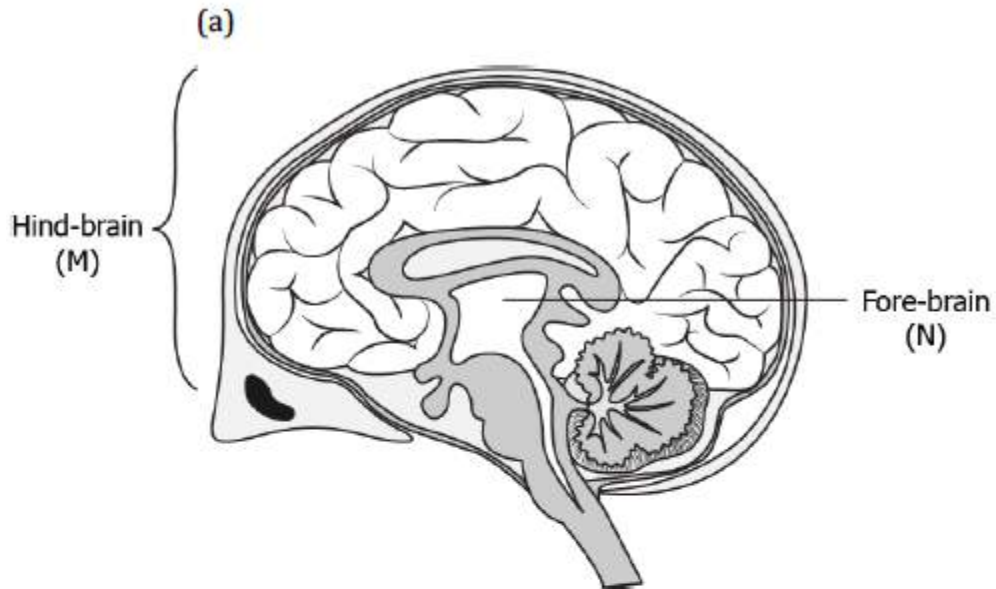
Q8) Organisms depend on hormones as well as electric impulses for the transmission of signals from brain to rest of the body. What can be a likely advantage of hormones over electric impulses?

- (a) It is secreted by all types of cells present in the body.
- (b) It is secreted by stimulated cells and reaches all cells of the body.

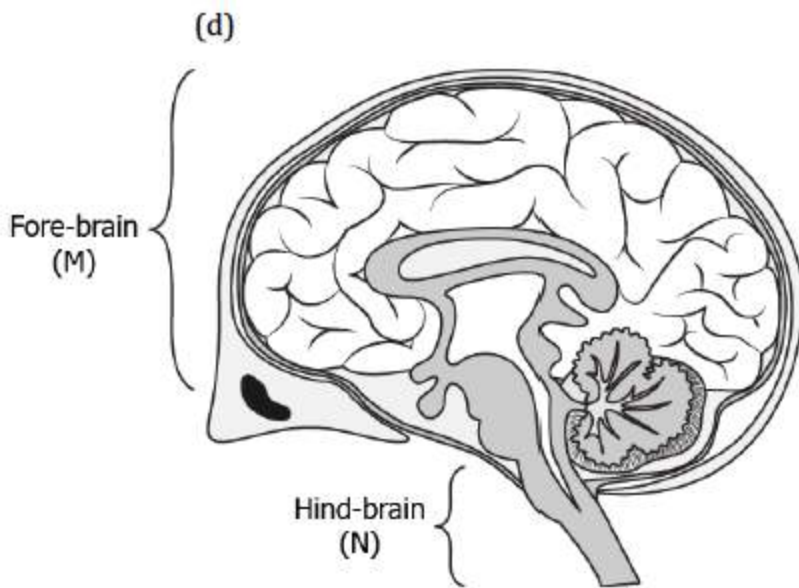
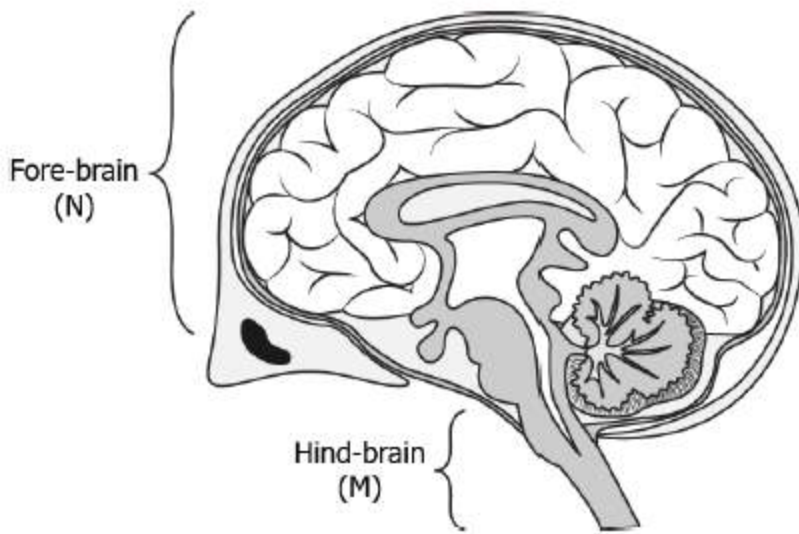
- (c) It is relayed to the target organ at a faster rate than electric impulses.
- (d) It does not depend on an external stimulus to be generated in the cells.

Correct Answer: Option (b)

Q9) Which option illustrates the location of the centre that controls the feelings associated with hunger (M) and the centre that allows a person to walk in a straight line (N)?

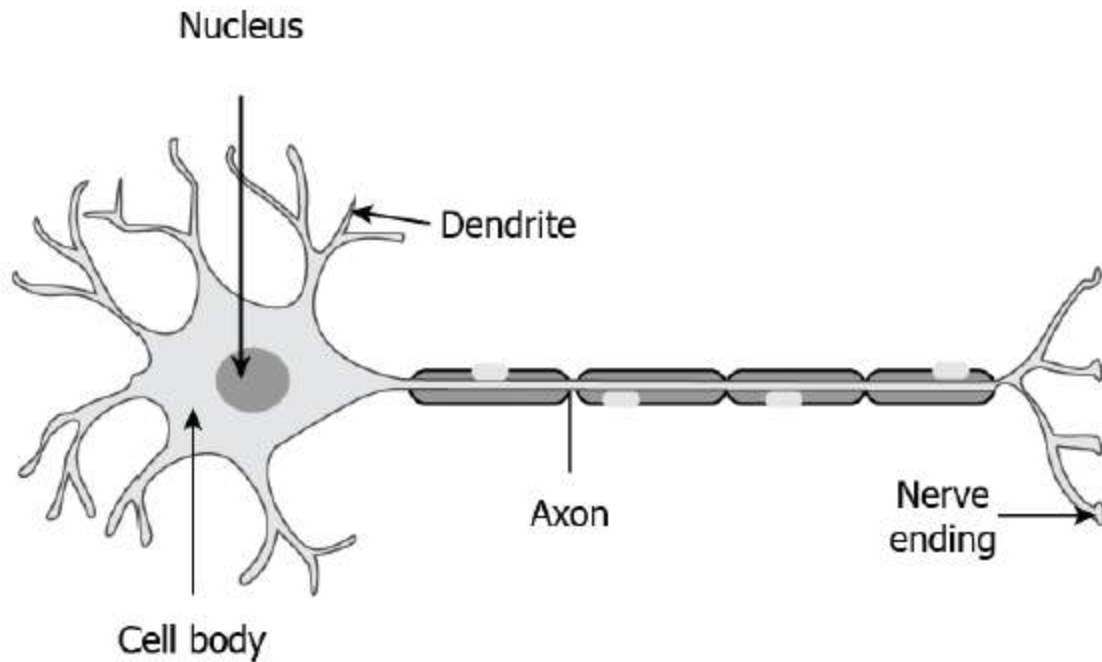


(c)



Correct Answer: Option (d)

Q10) The image shows the structure of a neuron.



After our nose senses a smell, which option shows the mechanism of the travelling of sense in our body?

- (a) olfactory receptors → dendritic tip of a nerve cell → axon → nerve ending → release of signal dendritic tip of other nerve cell
- (b) olfactory receptors → dendritic tip of a nerve cell → axon → cell body → release of signal → dendritic tip of other nerve cell
- (c) gustatory receptors → dendritic tip of a nerve cell → cell body → axon → release of signal dendritic tip of other nerve cell
- (d) gustatory receptors → dendritic tip of a nerve cell → axon → cell body → release of signal dendritic tip of other nerve cell

Correct Answer: Option (a)