

Board – ICSE

Class- VIII

TOPIC – NERVOUS SYSTEM

I.) Multiple choice questions: Tick (✓) the correct choice.

1. The message that travels along a nerve is called  
(a) Impulse                      (b) Stimulus                      (c) Response                      (d) None
  2. Nervous system in humans consists of  
(a) Brain and nerves  
(b) Brain and spinal cord  
(c) Brain, spinal cord and nerves  
(d) None of the above
  3. Memory and intelligence are controlled by  
(a) Cerebrum                      (b) Medulla oblongata                      (c) Cerebellum                      (d) Spinal cord
  4. Heartbeat and breathing are controlled by  
(a) Cerebrum  
(b) Spinal cord  
(c) Cerebellum  
(d) Medulla oblongata
  5. Reflex actions are under the control of  
(a) Brain                      (b) Medulla oblongata                      (c) Spinal cord                      (d) Cerebrum
  6. Which of the following parts of the brain control involuntary actions?  
(a) Medulla                      (b) Cerebrum                      (c) Cerebellum                      (d) Cranium
  7. We think with the help of  
(a) Cerebrum                      (b) Reflex arc                      (c) Medulla                      (d) Neuron
  8. The neurons which carry impulses from the brain or spinal cord to the sense organs are called  
(a) Sensory neurons  
(b) Mixed neurons  
(c) Motor neurons  
(d) Association neurons
  9. Short fibres extending from the cell body of a nerve cell are called  
(a) Nerve fibres                      (b) Axon                      (c) Dendrites                      (d) Ganglion
  10. Medulla controls
- (II). Find the odd one out, giving reasons.
- a) Axon, cell body, dendrite, cerebellum
  - b) Cerebrum, cerebellum, neuron, brain stem
- (III). Describe the two parts of the nervous system.
- (IV). What are nerves? Mention the types of nerves found in humans.
- (V). Explain the structure of brain.

- (VI) Compare the nervous system and the endocrine system.
- (VII) Define voluntary and reflex actions. Give examples of each.
- (VIII) Why does cutting of hair cause no pain?
- (IX) Explain the structure of a nerve cell.
- (X) Distinguish between motor, sensory and association neurons with respect to their functions.

