

Chapter End Test

Date : _____	Science	BATCH
Duration: 1 Hr. Max. Marks : 26	Topic : Control and Coordination	X

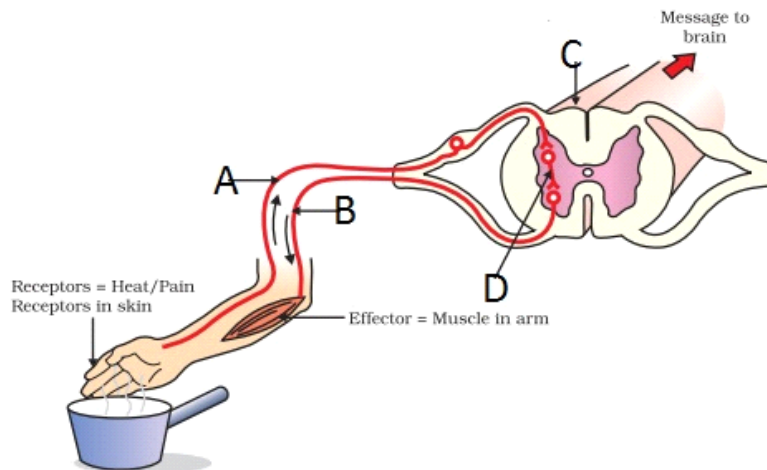
The paper has been designed for students of class 10th who have just completed the first chapter of Biology Life Processes. The paper aims to check whether the students have been able to understand and memorise the concepts. It also aims to check the student's writing ability in a prescribed time limit.

General instruction:

1. This paper consist of two Sections. A student has to attempt both the sections.
2. Section – A is objective carry 1 mark each.
3. Section – B is subjective.

1. Gustatory receptors are responsible for detecting: [1]
 (a) Smell (b) Pain
 (c) Sound (d) Taste
2. The part of neuron that makes the information travel as an electric impulse [1]
 (a) Dendrite (b) Cell body
 (c) Axon (d) Nerve ending
3. Identify the voluntary action: [1]
 (a) Watering of mouth on seeing food
 (b) Running out from a room which caught fire suddenly
 (c) Heart beat
 (d) All of these
4. Identify the part of the brain associated with hunger: [1]
 (a) Fore-brain (b) Mid-brain
 (c) Hind-brain (d) Spinal cord
5. Involuntary actions are controlled by: [1]
 (a) Mid-brain only (b) Hind-brain only
 (c) Both mid-brain and hind-brain (d) Fore-brain
6. Precision of voluntary action of the limbs is due to: [1]
 (a) Cerebrum (b) Cerebellum
 (c) Medulla (d) Pituitary gland
7. Which of the following is false for growth related movement in plants: [1]
 (a) depends upon the direction of the impulse
 (b) is a slow process
 (c) is a reversible process
 (d) Growth of a part in a particular direction occurs
8. Coiling of tendril is an example of: [1]
 (a) Thigmonastism (b) Phototropism
 (c) Geotropism (d) Thigmotropism
9. Identify the growth inhibitor phytohormone: [1]
 (a) Auxin (b) Gibberellins
 (c) Cytokinins (d) Absciscic acid

10. Identify the mismatch pair: [1]
 (a) Auxin – cell elongation (b) Gibberellin – stress hormone
 (c) Cytokinin – cell division (d) Abscisic acid – wilting of leaves
11. Iodine is necessary for the synthesis of: [1]
 (a) Thyroxin (b) Adrenaline
 (c) Insulin (d) Testosterone
12. The parts labelled in the figure are



- (a) A-Relay Neuron, B-Spinal Cord, C-Motor Neuron, D-Sensory Neuron
 (b) A-Motor Neuron, B-Relay Neuron, C-C.N.S., D-Spinal Cord
 (c) A-Sensory Neuron, B-Motor Neuron, C-Spinal Cord, D-Relay Neuron
 (d) A-Motor Neuron, B-Spinal Cord, C-Relay Neuron, D-Sensory Neuron
13. The part of the Neuron where the conversion of electrical signal to chemical signal occurs is
 (a) Axon (b) Cell body
 (c) Dendrite (d) Nerve ending
14. The movement of sunflowers in response to day light is known as
 (a) Geotropism (b) Photonasty
 (c) Phototropism (d) Hydrotropism
15. Ripening hormone in plants is
 (a) ABA (b) Cytokinin
 (c) Ethylene (d) Gibberellins

[Section – B]

16. How is brain and spinal cord protected? [1]
17. (a) Show a schematic representation to trace the sequence of events which occur when a bright light is focused on your eyes. [1+1]
 (b) Mention two components of P.N.S.
18. “Electrical impulses are an excellent means for communication, but there are limitations of such impulses”. State any two limitations. [3]
19. (a) Name the hormone which is secreted by the adrenal gland. How does this hormone help to deal with scary situations?
 (b) What is feedback mechanism? Explain in brief giving an example. [5]

