

Chapter 7: Nervous System

Worksheet 1

1. Fill in the blanks.

- (i) _____ is the structural and functional unit of nervous system.
- (ii) Cranial nerves are _____ pairs.
- (iii) Functioning of visceral organs is controlled by _____ .
- (iv) _____ neurons conduct impulses from brain or spinal cord to _____ organs.
- (v) We _____ on seeing tasty food.

2. Match the following.

Column A

- (i) Synapse
- (ii) Myelin sheath
- (iii) Sensory neurons
- (iv) Brain stem
- (v) Blinking of eye

Column B

- (a) Axon
- (b) Medulla oblongata
- (c) Neurotransmitters
- (d) Reflex action
- (e) Receptors

3. Give one word answer.

- (i) A constriction between two Schwann cells
- (ii) The part of brain also called little brain
- (iii) Sudden and quick action without thinking
- (iv) The organ which receives stimulus
- (v) The two halves of cerebrum

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Worksheet 2

1. Tick the correct answer.

- (i) Cerebrum is the site of
(a) intelligence (b) thinking
(c) learning (d) all of these
- (ii) Knee-jerk reflex is controlled by
(a) spinal cord (b) medulla (c) cerebellum (d) cerebrum
- (iii) Myelinated nerve fibres have around them
(a) gyri (b) sulci
(c) medullary sheath (d) both (a) and (b)
- (iv) Dendrite processes are
(a) afferent (b) efferent (c) sensory (d) motor
- (v) The brain is covered by
(a) white matter (b) gray matter (c) meninges (d) gyri and sulci

2. Write T for true and F for false statement.

- (i) Pavlov's experiment is based on acquired reflexes.
(ii) Reflex actions are controlled by cerebrum.
(iii) Pupil reflex is controlled by spinal cord.
(iv) Medulla controls all the voluntary activities of the body.
(v) Gray matter is formed of cell bodies of neurons.

3. Answer the following questions.

- (i) What are mixed nerves?
(ii) How is brain protected in the body?
(iii) What is brain stem?
(iv) What is a stimulus?
(v) What is a nerve impulse?