

Chapter – 18 | Neural Control and Coordination

QUIZ
PART-01

1. Coordination in the human body is mainly maintained by:

- A. Digestive and skeletal systems
- B. Nervous and endocrine systems
- C. Respiratory and excretory systems
- D. Blood and lymph only (B)

Explanation : Nervous system gives quick coordination, while endocrine system gives chemical coordination.

2. The structural cells of the nervous system are called:

- A. Nephrons
- B. Osteocytes
- C. Neurons
- D. Myocytes (C)

Explanation : Neurons receive and transmit stimuli.

3. Hydra has which type of neural organisation?

- A. Reticulate
- B. Ganglionic
- C. Tubular
- D. Segmental (A)

Explanation : Hydra shows a simple reticulate nerve net.

4. The central nervous system consists of:

- A. Brain and spinal cord
- B. Cranial nerves and spinal nerves
- C. Ganglia and nerves
- D. Sensory and motor organs (A)

Explanation : CNS includes brain and spinal cord.

5. Afferent nerves carry impulses:

- A. From CNS to muscles
- B. From organs to CNS
- C. From glands to blood
- D. From brain to spinal cord only (B)

Explanation : Afferent nerves are sensory nerves.

6. Efferent nerves transmit:

- A. Stimuli from tissues to CNS
- B. Regulatory impulses from CNS to organs
- C. Hormones to blood
- D. Oxygen to tissues (B)

Explanation : Efferent nerves carry motor impulses from CNS.

7. Somatic neural system controls:

- A. Voluntary skeletal muscle movement
- B. Heartbeat only
- C. Digestion only
- D. Hormone secretion only (A)

Explanation : Somatic system controls voluntary muscles.

8. Autonomic neural system controls:

- A. Voluntary muscles
- B. Involuntary organs and smooth muscles
- C. Bones only
- D. Skin pigmentation (B)

Explanation : It controls involuntary body functions.

9. Peripheral nervous system includes:

- A. Brain only
- B. Spinal cord only
- C. All nerves connected to CNS
- D. Cerebrum only (C)

Explanation : PNS includes cranial and spinal nerves.

10. Human nervous system develops from:

- A. Mesoderm
- B. Endoderm
- C. Ectoderm
- D. Epidermis only (C)

Explanation : Nervous system develops from embryonic ectoderm.