

Control and Coordination - Class X - Paper Set No. 2

1. What is the main function of the cerebrum?
 - (a) Control heart rate
 - (b) Control thinking and voluntary actions
 - (c) Control balance
 - (d) Control breathing
2. Which hormone controls the development of secondary sexual characteristics in females?
 - (a) Insulin
 - (b) Testosterone
 - (c) Estrogen
 - (d) Adrenaline
3. Which part of the brain controls involuntary actions?
 - (a) Cerebrum
 - (b) Cerebellum
 - (c) Medulla
 - (d) Spinal cord
4. Which plant hormone helps in cell division?
 - (a) Cytokinin
 - (b) Gibberellin
 - (c) Auxin
 - (d) Abscisic acid
5. Which sensory receptors detect smell?
 - (a) Gustatory receptors
 - (b) Olfactory receptors
 - (c) Photoreceptors
 - (d) Mechanoreceptors
6. How does chemical coordination occur in plants?
 - (a) Through neurotransmitters
 - (b) By hormones
 - (c) By nervous system
 - (d) By muscle contraction
7. What is the main function of thyroxin?
 - (a) Control blood sugar
 - (b) Control growth
 - (c) Regulate metabolism
 - (d) Control digestion

8. Which part of the nervous system connects the brain to various parts of the body?
- (a) Peripheral nervous system (b) Central nervous system
(c) Spinal cord only (d) Medulla only
9. Which of the following actions is voluntary?
- (a) Heartbeat (b) Digesting food
(c) Lifting a book (d) Breathing
10. What would likely happen if there was a spinal cord injury?
- (a) Disruption of reflex actions (b) Increase in hormone production
(c) Enhanced muscle coordination (d) Reduced sensory perception only

Answer Key for Paper Set No. 2:

1. (b) Control thinking and voluntary actions
2. (c) Estrogen
3. (c) Medulla
4. (a) Cytokinin
5. (b) Olfactory receptors
6. (b) By hormones
7. (c) Regulate metabolism
8. (a) Peripheral nervous system
9. (c) Lifting a book
10. (a) Disruption of reflex actions