Control and Coordination - Class X - Paper Set No. 1

1. Which of the following is a plant hormone?

(a) Insulin	(b) Thyroxin
(c) Oestrogen	(d) Cytokinin

- 2. The gap between two neurons is called a:
 - (a) dendrite (b) synapse
 - (c) axon (d) impulse
- 3. Which part of the brain is responsible for maintaining posture and equilibrium?

(a) Cerebrum	(b) Cerebellum
(c) Medulla	(d) Spinal cord

- 4. What is the role of receptors in our body?
 - (a) To store information (b) To detect changes
 - (c) To produce hormones (d) To supply energy
- 5. Which hormone regulates blood sugar levels?
 - (a) Insulin (b) Thyroxin
 - (c) Adrenaline (d) Testosterone
- 6. How does phototropism occur in plants?
 - (a) Through chemical signals (b) Due to light-induced hormones
 - (c) From nervous responses (d) Through muscle movements
- 7. In which part of the body does the reflex action processing take place?
 - (a) Brain (b) Cerebellum
 - (c) Spinal cord (d) Medulla

- 8. What triggers a reflex action in humans?
 - (a) Thought process (b) External stimulus
 - (c) Hormonal release (d) Contraction of muscles
- 9. Which hormone is responsible for growth in children?
 - (a) Insulin (b) Growth hormone
 - (c) Thyroxin (d) Estrogen
- 10. The function of adrenaline in the human body is to:
 - (a) Lower blood pressure
 - (b) Control body temperature
 - (c) Prepare the body for emergency situations
 - (d) Regulate metabolism

Answer Key for Paper Set No. 1:

- 1. (d) Cytokinin
- 2. (b) Synapse
- 3. (b) Cerebellum
- 4. (b) To detect changes
- 5. (a) Insulin
- 6. (b) Due to light-induced hormones
- 7. (c) Spinal cord
- 8. (b) External stimulus
- 9. (b) Growth hormone
- 10. (c) Prepare the body for emergency situations