

Biology Worksheet Class X
Control and Coordination

1 mark questions:-

1. Name the part of the brain which controls posture and balance of the body.
2. Give one example for chemotropism.
3. How is spinal cord protected in our body?
4. A potted plant is made to lie horizontally on the ground. Which part of the plant will show:-
 - i) Positive geotropism
 - ii) Negative geotropism.
5. Name the hormone that helps in regulating level of sugar in our blood. Name the gland that secretes it.
6. Which endocrine gland secretes growth hormone?
7. Name the main hormone secreted by thyroid gland and state one function.
8. Why is pituitary gland called the master gland?
9. Which plant hormone makes the shoot bend towards the sunlight?
10. What is a synapse?

2 mark questions :-

1. Name the hormone secreted by human testes. State its functions.
2. Justify that the pancreas and gonads perform dual functions.
3. Which is the largest part of the brain. what are the functions performed by it.
4. What is meant by receptors and effectors? Give one example for each.
5. How does our body respond when adrenaline is secreted into the blood?
6. Why are some patients of diabetes treated with insulin?
7. What are phytohormones? Write two important functions of auxin.
8. How is brain protected from injury and shock?
9. How is the movement of leaves of the sensitive plant different from the movement of the shoot towards light?
10. List the functions of testosterone and estrogen.

3 mark questions:

1. Draw the structure of neuron and label the following parts.
 - i) Where information is acquired
 - ii) Through which information travels as an electrical impulse.
2. What causes a tendril to encircle around the object in contact? Explain the process involved.
3. What is chemotropism? Give an example. Give two examples each for photo and hydro tropisms.
4. Name any three endocrine glands in human body and briefly write the function of each of them.
5. Name the hormone associated with the following..
 - i) Increased sugar level in the blood
 - ii) Changes at puberty in boys
 - iii) Inhibits growth of plants
 - iv) Dwarfism
 - v) Goitre

5 mark question:

- 1 What is endocrine system? What are the functions? Name the endocrine glands in the body and mention the hormones and functions.
- 2 What is reflex arc? Draw a neat labelled diagram and explain the process. Give any two examples for reflex actions.
- 3 What are the major parts of the brain? Explain with the help of a neat labelled diagram.
- 4 What are tropic movements? Explain with examples.
- 5 What constitutes the central and peripheral nervous systems? How are the components of the central nervous system protected?