

BHARATIYA VIDYA BHAVAN'S V M PUBLIC SCHOOL, VADODARA

QUESTION BANK

Control and co-ordination

1 Mark Question

1. Which system facilitates the communication between central nervous system and other parts of the body?
2. Which gland secretes growth hormone in human beings?
3. Which mechanism control timing and amount of hormone released?
4. Define 'Chemotropism'.
5. What are hormones?
6. Name two tissues that provide control and coordination in multicellular animals.
7. Name the plant hormone responsible for the promotion of cell division.
8. Define 'reflex action'.
9. What is synapse?
10. Name the hormone associated with puberty changes in males and females.

2 Mark Question

1. What are 'nastic' and 'curvature' movements? Give one example of each.
2. What is meant by hydrotropism? Give an example.
3. Define phototropism and give one example.
4. Name the part of neuron:
 - i) Where information is acquired.
 - ii) Through which information travels as an electrical impulse.
5. State the role of the brain in reflex action.
6. Tendrils encircle or coil around in contact with it. Elaborate.
7. Name the hormone synthesised at the shoot tips. How does it help the plant to respond to the light?
8. Differentiate between nervous system and hormonal system.
9. If you keep the potted plant horizontally for 2-3 days, what type of movements would be shown by the shoot and root after 2 or 3 days? Why?
10. Explain the terms:
 - a) Reflex action
 - b) Reflex arc

3 Mark Questions

1. Brain and spinal cord are two vital organs of our body'. How is our body designed to protect them?
2. I) How tendril coil around the support?
ii) Define phototropism.

3. Name the hormones secreted by thyroid, parathyroid and pancreas.
4. Name the hormone secreted by ovary, testes and adrenal glands. Write a function of each hormone.
5. Name the hormone synthesised at the shoot tips. How does it help the plant to respond to light?
6. i) Differentiate between sensory neurons and motor neurons.
ii) How is brain protected in our body?
iii) Name the part of the brain responsible for precision of voluntary actions and maintaining body posture and balance of the body.
7. a) Name the hormone which is secreted when growing plants detect light. Mention its site of secretion in plant.
b) Explain why do plants appear to bend towards light?

5 Mark Questions

1. a) What is reflex action? Give its two examples. Illustrate the pathway followed by a message from the receptor in a reflex arc.
b) Name the actions of sympathetic and parasympathetic systems on respiratory system.
2. a) Name the hormone which is injected to a diabetic patient.
b) Why should we use iodised salt in our diet?
c) If iodine is deficient in one's diet, what might be the deficiency disease and its symptoms.