

CLASS X
CONTROL AND COORDINATION
WORKSHEET -5

ONE MARK QUESTIONS

- 1 Name or give one term for the following
 - a) Branched protoplasmic extension of the cell body
 - b) Part of the brain that coordinate muscular activity
- 2 Give an example for plant hormone that promotes the growth.
- 3 Name the receptors for taste and smell.
- 4 Why is the use of iodised salt advisable?
- 5 Which part of the brain maintains posture and equilibrium of the body?

TWO MARK QUESTIONS

- 6 What are a) Cranial nerves b) Spinal nerves
- 7 What are synapses? What happens at the synapse between two neurons?
- 8 Define the terms
 1. Phototropism 2. Geotropism 3. Chemotropism
- 9 How does muscle fibers bring about movement by shortening the muscle fiber.
- 10 How does chemical coordination occur in plants?
- 11 How is the movement of a leaves of the sensitive plant different from the movement of a shoot towards light?
- 12 What are the short fibers of a neuron known as? Mention their function.
- 13 What are the long fibers of a neuron known as? Mention their function.

THREE MARK QUESTIONS

- 14 Hind brain consists of three parts .What are they? Mention the functions of each.
- 15 What are the components of a fore brain in human? Write the functions of the same.
- 16 Draw a neat diagram of human brain and label any six parts.
- 17 What is neuromuscular junction? Draw a diagram of neuromuscular junction .
- 18 Draw a neat diagram of reflex arc and explain their pathway.
- 19 How does our body respond when adrenaline is secreted into the blood?

20 How do auxin promote the growth of a tendril around a support?

21 Draw the structure of a neuron and explain its function.

EXTRA QUESTIONS

1 Which signals will get disrupted in case of a spinal cord injury?

2 What is the function of receptors in our body? Think of situations where receptors do not work properly. What problems are likely to arise?

3 Why are some patients of diabetes treated by giving injections of insulin?

4 a) What is the difference between sensory neuron and motor neuron?

b) Which part of the human brain is responsible for auditory reception and sensation of smell?

5 a) Name the two main constituents of the Central Nervous system in human beings.

b) What is the need for a system of control and coordination in human beings?

6 a) Distinguish between voluntary and involuntary actions in our bodies

b) Choose involuntary actions from amongst the following

Reading , beating of heart , salivation in the mouth on viewing a tasty food , talking