

Very Short Question Answer

Question 1

Define 'reflex action'?

Answer:

It is an automatic, spontaneous and an immediate involuntary response to a stimulus controlled usually by the spinal cord. e.g. knee jerk movement.

Question 2.

Name the largest cell in the human body?

Answer:

Nerve cell (Neuron).

Question 3.

Give an example of plant hormone that promotes growth?

Answer:

Auxin

Question 4.

What are plant hormones?

Answer:

The chemical substances produced in plants which help in the growth and development of plant, its tissues and other plants.

Question 5.

Name the part of neuron ?

(a) where information is acquired.

(b) through which information travels an electrical impulse.

Answer:

(a) Dendrite

(b) Axon

Question 6.

Name two tissues that provide control and coordination in multicellular animals?

Answer:

Muscular tissues and nervous tissue.

Question 7.

Name the hormone, the secretion of which is responsible for dramatic changes in

appearance in girls and boys when they approach 10-12 years of age?

Answer:

Testosterone released from testes in males, estrogen released from ovaries in females.

Question 8.

Name the hormone that helps in regulating level of sugar in our blood. Name the glands that secretes it?

Answer:

Insulin hormone secreted by pancreas.

Question 9.

Name a plant hormone that inhibits growth. Write its one more function?

Answer:

Absciscic acid inhibits growth in plants. It also causes closure of stomata during water stress.

Question 10.

A potted plant is made to lie horizontally on the ground. Which part of the plant will show:

- (i) Positive geotropism
- (ii) Negative geotropism?

Answer:

- (i) Roots will shows positive geotropism.
- (ii) Shoots will show negative geotropism.

Question 11.

Name a plant hormone which promotes growth in plants?

Answer:

Auxin is a plant hormone that promotes growth and cell elongation in plants.

Question 12.

State one function each of pons and cerebellum.

Answer:

Pons: Regulates rate of respiration

Cerebellum: Maintains equilibrium of the body during walking, jumping, etc.

Question 13.

Name a gaseous plant hormone. Give its role.

Answer:

Ethylene is a gaseous hormone. It regulates fruit ripening.

Question 14.

How many spinal and cranial nerves are present in human body?

Answer:

Spinal nerves = 31 pairs

Cranial nerves = 12 pairs

Question 15.

What are meninges?

Answer:

The three membranes which cover the brain to protect it are called meninges.