

Control and Coordination

Time: 1hr

Q1 Very short answer type

2x5=10

a. Write the main function of the following:

Sensory neuron, Cranium, Vertebral Column and Motor Neuron

b. 1. What is a reflex action?

2. Give the example of involuntary action.

c. Write the name and function of any two parts of forebrain.

d. Why is pituitary gland called master gland?

e. Give the difference between sensory and motor nerves.

Q2. Short answer type

3x5= 15

a. What are meninges? What are their functions?

b. Give reason for your answers:

1. Reflex actions are also generally known as spinal reflexes.

2. Nervous system and endocrine system are often collectively known as neuroendocrine system.

c. Define reflex action. Give one example of it and show the path of reflex action with the help of a flow diagram.

d. Name the hormone that is secreted by our body to deal with scary situation. List any two responses shown by our body when this hormone is secreted into the blood.

e. Brain and spinal cord are two vital organs of our body, how is our body designed to protect them?

Q3 Long answer type

5x3=15

a. List the functions of testosterone and estrogen.

b. Distinguish between cerebrum and cerebellum.

c. Answer the following:

1. Mention one function of each of these hormones:

Thyroxine, insulin, adrenaline, growth hormone and testosterone.

2. Draw the diagram of section of human brain.