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Exercises

page no 47

QA. Tick the correct option.

1. ----- is the top part of the brain.

Ans. cerebrum.

2. spinal cord begins at -----.

Ans. medulla.

3. Nerves are made up of -----.

Ans. neurons.

4. Reflex action does not involve-----.

Ans. brain.

5. The front part of the eye is protected by -----.

Ans. cornea.

QB. Short answer type questions.

1. What is the function of olfactory Nerve?

Ans. The function of olfactory nerve is to carry the message of smell to the brain.

2. Name the largest organ of the body?

Ans. Skin is the largest organ of the body.

3. Which part of the ear is a narrow canal?

Ans. Middle ear is a narrow canal.

4. What is the importance of connecting Nerves?

Ans. The connecting nerves carry messages both ways, between sensory nerves and motor nerves.

QC Long Answer Type Questions.

1. Describe the different parts of the brain?

Ans. Brain is the main control centre of the body . it has three main parts:

1. Cerebrum.- it is largest and top part of the brain. It controls the five sense organs.

2. Cerebellum- it controls and coordinates voluntary movements like walking, moving, dancing etc.

3. Medulla- it is the lowest part of the brain. it controls all involuntary actions like breathing, heartbeat, digestion etc.

2. What are the functions of sensory nerves and motor nerves?

Ans. 1. Sensory nerves---These nerves carry signals from sense organs to spinal cord and brain.

2. Motor nerves - These nerves carry messages from brain and spinal cord to muscles and glands. It is responsible for action taken by the body.

3. What is the reflex action of the body when you touch a hot object?

Ans. Reflex action is an automatic response of the body without thinking about them.

when we touch any hot object the spinal cord orders the hand to move away immediately without the message going to the brain.

4. What role does external ear play in hearing?

Ans. The external ear is the outermost part of the ear. it collects the sound waves and send them to the middle ear through ear drum.

5. Write a few lines about the organ of taste?

Ans. The tongue is the organ of taste. it has many tiny taste buds that can taste sweet, sour, salty and bitter. The taste buds are connected to the nerves which carry the message to the brain. The brain helps to know the taste of food items.

QD. Fill in the blanks.

1. The vertebral column runs along the spinal cord.
2. Nervous system makes us aware of our surroundings.
3. Cerebrum in the brain controls the five sense organs.
4. Nerves connect brain and spinal cord to all parts of the body.
5. The coloured circle in the eye is called iris.

QE. State True or False

1. Brain is protected inside the ribcage. False.
2. Our nervous system only consists of brain and spine. False.
3. Medulla has many grooves and folds on its surface. False.
4. Spinal cord connects nerves to the brain. True.
5. We feel with our skin. True.

QF. Match the column.

1. Spinal cord.           protected by back bone
2. Brain.                   centre of nervous system.
3. Reflex actions.       involves only spinal cord and nerves.

4. Skull. protects the brain.
5. Nerve cell. thread like structure.

QG. write any two.

1. parts of nervous system - brain, spinal cord.
2. parts of brain - cerebrum, cerebellum.
3. parts of eye - iris, pupil.
4. types of nerves - sensory nerve, motor nerve.
5. sense organs - eyes, nose.

QH. Puzzle time.

Who am I?

1. I am the part of the brain which controls the voluntary muscles. - cerebellum.
2. We carry message from a body part to brain. - neuron.
3. I help you to taste. - tongue.
4. I am the part of the ear that collects sound waves. - the external or outer ear.
5. I am the bony part that protects the spines. - vertebrae.

