

THE NERVOUS SYSTEM

Answer the following questions.

1. What does nervous system consist of?

Ans. The nervous system consist of:-

- i. Brain
- ii. spinal cord
- iii. nerves.

2. What is the main function of the brain?

Ans. The main functions of the brain are:-

- i. It controls everything that goes on in our body.
- ii. It stores a lot of information.
- iii. It is the centre of thought and intelligence.

3. Name different parts of the brain and write their functions.

Ans. The different parts of brain are:-

- i. Cerebrum
 - it is responsible for thinking and reasoning.
 - It controls memory, thought, intelligence and learning.
- ii. Cerebellum
 - It controls our muscles, and helps to keep our balance.
- iii. Medulla
 - It controls all involuntary actions such as – breathing, heartbeat, blood pressure and digestion.

4. Name different types of nerves and write down their functions.

Ans. The different types of nerves are:-

- i. Sensory nerve - it carries messages from the sales over to the brain and the spinal cord.
- ii. Motor nerve - It carries messages from brain and spinal cord to the muscles.

- iii. Mixed nerves – It carries messages between sensory nerve and motor nerve.

5. What is a reflex action?

Ans. The rapid, automatic and spontaneous actions taken by spinal cord without involving brain is called reflex action.

Example – removing hand quickly when we touch hot object.

6. How many different types of taste buds does the tongue have?

Ans. The tongue has four different types of taste buds:-

- i. Sweet
- ii. Salty
- iii. Sour
- iv. Bitter