The somatic (voluntary) nervous system is the part of the peripheral nervous system that is involved CIVO. It carries impulses to and from the CNS. consists of a network of nerves that connects the rest of the body to

concerned with involuntary activities such as heartbeat, digestion, secretion from glands and The autonomic (involuntary) nervous system is the part of the peripheral nervous system that is in the movement of the skeletal muscles and in carrying information from the sense organs.

Exercises

A. Fill in the blanks.

2	1.
The junction of tw	Some neurons ha
n ov	ve a
eurons is called a Synopse	myeling Sheads

The brain is lodged in the cranium

cushions the brain against shocks. (CSF = Cocabaospinal fluid

meninges are membranes surrounding the brain and the spinal cord.

6. The anterior part of the brain is called the June Gorgo

The medulla oblongata controls helps maintain balance and posture . involuntary action

B. Choose the correct option.

- The neurons that carry impulses from the body to the brain are called
- (c) motor neurons (a) sensory neurons

(b) sense organs

(d) effector organs

- The narrow canal within the spinal cord is called the
- (a) cerebrospinal fluid

(b) synapse

(c) central canal

(d) myelin

(a) to the sensory organs (c) to and from the CNS

Mixed nerves carry impulses

- (d) to the effector organs (b) to the CNS
- C. Write 'true' or 'false'. If false, write the correct statement.
- 1. A nerve cell is called a syton. MOUNTON
- 2. Myelinated axons transmit impulses faster than unmyelinated axons.
- Information passes from one neuron to another at a synapse.
- 4. Motor neurons carry impulses to the sense organs. effector organs F. Cerebrospinal fluid surrounds the skull.
- The cerebral hemispheres are concerned with learning. T
- 7. The cerebellum helps us learn new movements. T medula oblongata.
- The autonomic nervous system is controlled by the eerebellum.
- Nerves are made up of bundles of axons. —

parallel tasks brain perforr the right han and vice ver and emotion right side, c It seems th Though !

brain is at receives vi from the n is for certa function a Scientists

D. Match the following

4. Motor neurons carry impulses to the sense organs. effector organo F

5. Cerebrospinal fluid surrounds the skull. F 3. HILUHHARINI Passes Home

The cerebral hemispheres are concerned with learning.

7. The cerebellum helps us learn new movements. T medulin oblangata.

The autonomic nervous system is controlled by the eerebellum. Nerves are made up of bundles of axons.

D. Match the following.

Column A

- Dendron
- 2. Vertebral column
- 3. Impulses
- 4. Effector organs
- 5. Bundles of axons
- 6. Swallowing
- 7. Motor nerves
- 8. Myelin sheath
- 9. Cerebrum
- 10. Cerebrospinal fluid

Column B

- a. Controlled by the medulla oblongata (6)
- Carry impulses to effector organs(7
- Irregular folds on outer surface (4
- Nerve (5)
- Fatty white substance covering an axon (8
- Distributes nutrients to the brain (10)
- Glands and muscles(4
- Has many branches (1)
- Messages encoded as electrical signals (3)
- Protects the spinal cord (2)

E. Answer the following.

- 1. What is myelin? How are myelinated neurons different from unmyelinated neurons?
- What is an impulse?

SATURDAY 135 M. COSS. 278 2020 The Nervous System

Answer the following in short

1) Which two systems control and co-ordinate the various activities of the body? I would something sold intest

Ans: The Nervous system and The endocrine System control and co-ordinate the various activities of the body.

2) What is a neuromancular junction?

An: A synapse between a motor newcon and a muscle fibre is called a newcomarcular junction of

3) what are the three types of nerves?

Ans: The three types of nerves are - 1000 1000

is Sensory nerves i source at a dead took A roll

Motor nerves menous representation of the artists

is Mixed nerves.

43 What are ventricles?

Ans: The interior of the cerebeum has three interconnected cavities called ventroicles that are tilled with cerebrospinal fluid (CSF).

5) How do sensory and motor nerver differ?

And sensory nerves are made up of axons of sensory neurons and cavery impulse from sense organs to the brain or the 29 SUNDAY Spinal cord. while motor nerves are made up of axons of motor newcons and they covery impulses from the brain on the spinal cond to the effector organs.



