

CLASS VIII
BIOLOGY
TOPIC - NERVOUS SYSTEM

ANSWERS

Qs 1. Name the followings:

- Axon
- Synapse
- Acetylcholine
- Sensory neurons
- Stimulus
- Nerve fibre
- Node of Ranvier
- Neuroglia

Qs 2. Pg No- 89

Qs 3. Answer the following questions :

- **Nervous system** - Nervous system is a system of nerves and nervous organs which control, link and coordinate activities of the different parts of the body of an animal to make it an integrated whole which can also show adjustment according to its environment.
- **Sensory neurons , Motor neurons , Interneurons.**
- **Effector** - An organ, tissue or cell which provides response to a stimulus through work or substance is called as effector. **Conduction** - The phenomenon through which transmission or excitation occurs is called conduction. **Impulse** - Conduction is usually carried out by the nerves in the form of a wave of electric discharge.
- **Nerve fibre** - A nerve is formed of a bundle of axons enclosed in a sheath.
- The function of a neuron is to transmit impulses throughout the body.

Qs 4. State one function of the following :

- **Myelin sheath** - It insulates the axon from one another and prevent 'short circuiting' .
- **Efferent neuron** - It carries the nerve impulse from brain and spinal cord to muscles and glands.
- **Acetylcholine** - It acts as a neurotransmitter.
- **Dendrites** - It receives information from another cell and transmit the message to the cell body of a neuron.
- **Association neurons** - They carry the nerve impulse from sensory neurons to motor neurons.

