

Nervous system Points to Remember

- ❖ Nervous system controls and coordinates the activities of our body.
- ❖ Neuron is the structural and functional unit of the cell and has three parts- cyton, dendrites and axon.
- ❖ A receptor is a cell or group of cells that receives the stimuli. An effector is a part of the body which can respond to a stimulus according to the instructions from the brain or the spinal cord.
- ❖ CNS is formed of brain and spinal cord. PNS consists of all nerves which connect brain and spinal cord to all parts of the body. ANS operates automatically and formed of sympathetic and parasympathetic nerves
- ❖ A reflex action is a rapid, automatic response to a stimulus which is not under the voluntary control of the brain.



Structure	Functions
Cerebral cortex	Sensory preception, control of vountary functions, language, thinking, memory, decision making, creativity
Thalamus	Acts as relay station
Hypothalamus	Temperature control, thirst, hunger, urination, important link between nervous system and endocrine glands
Cerebellum	Maintenance of posture and balance,coordinate voluntary muscle activity
Pons and medulla	Role in sleep-awake cycle, cardiovascular, respiratory and digestive control centers