

Questions on Nervous System

1. Write some brief notes on the following topics with its functions:
 - a) Central Nervous System (CNS)
 - b) Peripheral Nervous System (PNS)
 - c) Somatic Nervous System (SNS)
 - d) Autonomic Nervous System (ANS)
2. Write down the neural arrangements of Autonomic Nervous System.
3. What do you mean by Sympathetic Nervous System and Parasympathetic Nervous System and differentiate between them.
4. Write a brief note on dual supply of Sympathetic Nervous System and Parasympathetic Nervous System.
5. Write a short note on Neurotransmitters of Autonomic Nervous System.
6. Define Synapse with its anatomical structure.
7. Write down the types of synapse and describe each type of synapses.
8. What do you mean by Synaptic Transmission and describe its mechanism?
9. Write a brief note on neuron and its structural parts.
10. Write down the fundamental functions of nervous system.
11. Write a brief note on the histology of nervous system.
12. What do you mean by Synaptic delay?
13. Write down the classifications of Neurotransmitters.
14. What is meninges?
15. What is Cerebro Spinal Fluid and write down the functions of CSF.
16. What do you mean by Grey matter and White matter?
17. Write down the classification of Neuron.
18. What are brain ventricles?
19. What do you mean by 'gyri' and 'sulci'?
20. Write down the names of cranial nerves and spinal nerves.
21. What do you mean by Neuromuscular junction (NMJ) and write down the its structure. Write down the mechanical action of Neurotransmitter.
22. Write a brief note with brain and its functions.
23. Write down the anatomy and different parts of brain with its functions.
24. Write some brief notes on the following topics with its fuctions:
 - a) Cerebrum
 - b) Cerebellum
 - c) Hypothalamus
 - d) Reticular formation
 - e) Spinal cord

f) Thalamus

25. Define the following topics:

a) Axon

b) Dendrite

c) Myelin sheath

d) Nodes of Ranvier

e) Schwann's Cell

f) Axon terminal

g) Axon knob or axon button

26. Write down a brief note on the Limbic System.

27. How is nerve impulse transmitted across synapse?

28. Write a brief note on motor neurons and sensory neurons.

29. What do you mean by White ramus communicans and Grey ramus communicans?

30. Define the following topics:

a) Presynaptic neuron

b) Postsynaptic neuron

c) Synaptic cleft

d) Synaptic knob

e) Neurofibrils

f) Microtubules

g) Lipofuscin

h) Ganglion

i) Axolemma

j) Axoplasm

k) Axon hillock

l) Trigger zone

m) Axon telodendria

31. What do you mean by Nissl bodies with its functions.

32. What do you mean by Neuroglia or Glial Cells.