

Board – CBSE

Class – 11

Chapter – Neural Control and Coordination

1. What are the functions of the Eustachian tube?
2. Compare the following:
 - (i) Central Neural System (CNS) and Peripheral neural system (PNS)
 - (ii) Resting potential and action potential
 - (iii) Choroid and retina
3. Why is blind spot devoid of the ability of vision?
4. What do synaptic vesicles contain?
5. How many types of nerve fibres do PNS have? Name them.
6. How many types of axons are present in CNS? Name them.
7. Explain the following processes:
 - (a) Polarization of the membrane of a nerve fibre
 - (b) Depolarization of the membrane of a nerve fibre
 - (c) Conduction of a nerve impulse along a nerve fibre
 - (d) Transmission of a nerve impulse across a chemical synapse
8. What are Nissl's granules?
9. Name the band of nerve fibres that joins the cerebral hemispheres in mammals.
10. Name the retina cells that allow us to see coloured objects.
11. Draw labelled diagrams of the following:
 - (a) Neuron
 - (b) Brain
 - (c) Eye
 - (d) Ear
12. How does the eye regulate the amount of light that falls on the retina?
13. Which part of our body helps us in maintaining the body balance?
14. Where is the hunger centre located in the human brain?
15. Write short notes on the following

- (a) Midbrain
 - (b) Hindbrain
 - (c) Ear ossicles
 - (d) Cochlea
 - (e) Organ of Corti
16. Why can impulses flow only in one direction?
17. What are the events that take place at the point of stimulation of the axon?
18. Explain the parts of the neuron.
19. Describe the role & location of the ciliary body in the human eye.
20. What is mosaic vision?
21. Where does cerebrospinal fluid occur in our body? Mention two of its function.
22. Distinguish between
- (a) afferent neurons and efferent neurons
 - (b) impulse conduction in a myelinated nerve fibre and unmyelinated nerve fibre
 - (c) aqueous humor and vitreous humor
 - (d) blind spot and yellow spot
 - (e) cranial nerves and spinal nerves.
23. Why do giant squids have very thick nerve fiber?
24. Give the location and function in the human eye, of the following
- (i) cornea
 - (ii) Iris
 - (iii) Vitreous humor
25. Why are nerve impulses conducted more rapidly in myelinated nerve fiber than in a non-myelinated one? Explain.