

Class: 11
Subject: Biology
Topic: Neural Control and Coordination
No. of Questions: 25

- Q1. Why do cerebral hemispheres possess many gyri?
- Q2. Where is cerebrospinal fluid present in our body? Mention any two of its functions.
- Q3. What is night blindness? What causes night blindness? How can it be remedied?
- Q4. How is the shape of the cornea maintained?
- Q5. Which mechanism in your body makes your mouth water at the sight of tasty food?
- Q6. What is the function of Eustachian tubes?
- Q7. What types of striated muscles constitute the muscles of the eye ball. How is the specific type of muscle advantageous?
- Q8. Why do you soon stop smelling the perfume on your dress while persons approaching you still perceive its smell?
- Q9. Name the parasympathetic nerve from the brain that innervates most of the visceral organ. List any four functions of this nerve
- Q10. Why does a nerve impulsive flow more rapidly in myelinated nerve fibres than in non-myelinated fibres?
- Q11. What do you understand by binocular vision?
- Q12. Why conduction in a nerve is called an electrical phenomenon?
- Q13. What is the significance of grey matter present in the spinal cord?
- Q14. How do rods and cones of human eye differ from each other chemically and functionally?

Rods	Cones
(i) Rods contains a brown pigment called rhodopsin formed of vitamin A	(i) Cone cells are sensitive to bright light and enable us to see the three primary colours, red , green and blue
(ii) These are sensitive to dim light.	There are different kinds of cone cells, each with different pigments. If any one of these pigments is absent, then it becomes difficult to see and identify the corresponding colour.

- Q15. What are the events that take place at the point of stimulation of an axon?
- Q16. Describe in the brief the organ of olfactory in man.
- Q17. What are neurotransmitters?
- Q18. Write the difference between polarized and depolarized membrane.
- Q19. How does an impulse travel across a synapse?
- Q20. What is autonomic nervous system? Give the major anatomical and physiological difference between the two kinds of autonomic nervous system.
- Q21. What are the events that take place on the point of stimulation of an axon?
- Q22. Describe the histological structure of spinal cord in human
- Q23. The membrane of a resting nerve fibre is said to be in a polarized state. What is meant by this statement?
- Q24. What are the common defects of the eye in humans? How would you correct them?
- Q25. Enumerate the different types of nerve fibres according to their nature and function.