

Chapter:21 Neural Control and Coordination

True and False			
Q.No	Question	Answer True/ False	Typology
Q.1	The neural system in porifera is composed of highly specialised cells called neurons.	False	Knowledge
Q.2	Sponges are the only multicellular animals without a nervous system.	True	Knowledge
Q.3	The efferent nerve fibres transmit impulses from tissues /organs to central nervous system	False	Analytical
Q.4	Synaptic knob possess synaptic vesicles containing chemicals called neurotransmitters.	True	Knowledge
Q.5	The action potential are transmitted by the optic nerve to the visual cortex area of the brain.	True	Knowledge
Q.6	In resting state, the axonal membrane is impermeable to negatively charged proteins present in the axoplasm.	False	Understanding
Q.7	Impulse transmission across an electrical synapse is always slower than that of across a chemical synapse	False	Understanding
Q.8	Pons ,cerebellum and medulla are the parts of the mid brain.	False	Knowledge
Q.9	Limbic system is involved in the regulation of sexual behavior,expression of emotional reactions and motivation.	False	Applicaition
Q.10	Olfactory receptors receive the sense of smell.	True	Application

Chapter:21 Neural Control and Coordination

Multiple Choice Questions

Q.No	Question	Answer	Typology
Q.1	The fore brain consists of a.cerebrum b.corpora quadrigemina c.cerebellum d.medulla	a.cerebrum	Understanding
Q.2	Following is not a layer of cranial meninges. a.duramater b.arachnoid c.medulla d.piameter	c.medulla	Knowledge
Q.3	If receptors on crista and macula are not working than the person will not be able to? a.see b.smell c.taste d.maintain balance	d.maintain balance	Application
Q.4	The anterior portion of the wall of the eye is known as? a.choroid b.sclera c.cornea d.ciliary body	c.cornea	Knowledge
Q.5	The space between the lens and the retina is called. a. Aqueous chamber b. Vitreous chamber c. Blind spot d. fovea	b.vitreous chamber	Knowledge based
Q.6	The ionic gradients across the resting membrane are maintained by sodium and potassium pump which transports. a. 2 Na ⁺ outwards for 2 K ⁺ into the cells. b. 3 Na ⁺ outwards for 2K ⁺ into the cells. c. 2 Na ⁺ outwards for 3 K ⁺ into the cells. d. 3 Na ⁺ outwards for 3k ⁺ into the cells.	b. 3 Na ⁺ outwards for 2K ⁺ into cells.	Analytical
Q.7	The afferent neuron receives signals from a sensory organ and transmits the impuse. a. The ventral nerve roots into the CNS. b. The dorsal nerve root into the CNS. c. The dorsal nerve root into the PNS. d. The ventral nerve root into the PNS.	b. the dorsal nerve root into the CNS.	Knowledge based

Chapter:21 Neural Control and Coordination

Q.8	The olfactory bulbs are extensions of a. Brain limbic system b. Hypothalamus c. Corpora quadrigemina d. Medulla oblongata	a. Brain limbic system	Knowledge
Q.9	The fovea is a thinned out portion of the retina where - a. Only the rods are densely packed b. Only the cones are densely packed c. Only the cones are loosely packed d. Both cones and rods are densely packed	b.Only the cones are densely packed.	understanding
Q.10	Following is not controlled by medullary centres - a. Respiration b. Cardio vascular reflex c. Gastric secretions d. Emotional reactons	d.emotional reactions.	understanding

Fill in the Blanks

Q.No	Question	Answer	Typology
Q.1	Visceral nervous system is the part of _____ nervous system.	Peripheral	Knowledge
Q.2	The gaps between two adjacent myelin sheath are called _____	Node of Ranvier	Understanding
Q.3	The active transport of ions by the _____ helps in maintaining ionic gradient across the resting axonal membrane.	Sodium-potassium pump	Analytical
Q.4	Multipolar neurons have _____ axon and _____ dendrites.	One, Many	Knowledge
Q.5	The gap between pre synaptic neuron and a post synaptic neuron is called _____.	Synaptic cleft	Analytical
Q.6	Mid brain and hind brain forms the _____ stem.	Brain	Knowledge
Q.7	The tongue detects tastes through taste buds,containing _____.	Gustatory receptors	analytical
Q.8	The retina contains three layers of neural cells from inside to outside,ganglion cells, bipolar cells, and _____.	Photo receptors	Knowledge
Q.9	The vitreous chamber between lens and retina is filled with a transparent gel called _____.	Vitreous humor	Understanding
Q.10	A _____ connects the middle ear cavity with pharynx.	Eustachian tube	Knowledge

Chapter:21 Neural Control and Coordination

Match the Following

Q.No	Question		Answer		Typology
Q.1	Column A a. axon b. dendrites	Column B i)Nissl's granules ii)nucleas iii)Nodes of Ranvier iv)chloroplast	Column A a. b.	Column B iii) i)	Knowledge
Q.2	Column A a.fore brain b.mid brain	Column B i)hypothalamus ii)pons iii)cerebellum iv)cerebral aquaduct	Column A a. b.	Column B i) iv)	Knowledge
Q.3	Column A a.tongue b. nose	Column B i)labyrinth ii)fovea iii)olfactory receptors iv)gustatory receptors	Column A a. b.	Column B iv) i)	analytical
Q.4	Column A a.eye b.ear	Column B i)amygdale ii)opsin iii)organ of corti iv)hippocampus	Column A a. b.	Column B ii) iii)	Knowledge
Q.5	Column A a.body temperature b.cardiovascular reflexes	Column B i)hypothalamus ii)thalamus iii)pons iv)medulla	Column A a. b.	Column B i) iv)	understanding
Q.6	Column A a.cochlea b.cranial meninges	Column B i)tympanic membrane ii)tectorial membrane iii)arachnoid iv)choroid	Column A a. b.	Column B ii) iii)	Knowledge

Chapter:21 Neural Control and Coordination

Q.7	Column A a.cones b.opsin	Column B i)photopic vision ii)protein iii)scotopic vision iv)vitamins	Column A a. b.	Column B i) iv)	understanding
Q.8	Column A a.outer ear b.middle ear	Column B i)stapes ii)labyrinth iii)tympanic membrane iv)vestibular	Column A a. b.	Column B iii) i)	remembering
Q.9	Column A a.crista and macula b.retina	Column B i)body temperature ii)balance of body iii)image formation iv)gustatory receptors	Column A a. b.	Column B ii) iii)	knowledge
Q.10	Column A a.reflex action b.memory	Column B i)spinal cord ii)mid brain iii)hind brain iv)fore brain	Column A a. b.	Column B i) iv)	understanding