

Class: XIth
Date:
Subject: BIOLOGY
DPP No.: 8

Topic :- Neural Control & Coordination								
1.	Which of the following statements is true?  a) Saltatory conduction is seen in non-myelinated nerve fibres  b) Nissl's granules are found in muscles fibres  c) Non-myelinated nerve fibres do not posses nodes of Ranvier  d) Non-myelinated nerve fibres are completely enclosed by myelin sheath							
2.	Nerve cells do not possess a) Neurilemma	b) Sarcolemma	c) Dendrite	d) Axon				
3.	Which of the following is a a) Breast feeding c) Blinding of eyes	an example of condition	ned reflex? b) Swallowing of food d) Salivation in dog on	seeing bread				
4.	Select the correct arrangement of neural organization, according to the increasing degree of complexical Lower invertebrates → Vertebrates → Insects b) Lower invertebrates → Insects c) Vertebrates → Lower vertebrates d) Vertebrates → Lower invertebrates → Insects							
5.	'Organ of Jacobson' help a) Touch	s in b) Vision	c) Smell	d) Hear				
ó.	The nerve cells exercise it: a) Afferent nerve impulses c) Electrical impulses			b) Efferent nerve impulses				
7.	Synapse is the connection between a) Two axon b) Two dendrites		c) Axon and dendrites	d) Two neurons				
3.	a) Contract his iris		b) Contract ciliary mus	n in reading because he was not able to b) Contract ciliary muscle d) Contract his ligaments				

9.	The size of pupil is controlled by the						
	a) Ciliary muscles		b) Suspensory ligament	C.S			
	c) Cornea		d) Iris muscles				
10.	Which of the following is correct regarding electrical synapses?  I. Pre and postsynaptic membrane neurons are in very close proximity at electric synapse  II. Electric current are involved in the transmission of impulses  III. Transmission of an impulse across electrical synapses is very similar to impulse conduction along a single axon  IV. Impulse transmission is always faster in electric synapse than that across a chemical synapse  V. Electrical synapses are rare in our system  The correct option is						
	a) I, II, III and IV	b) I, III, IV and V	c) I, II and IV	d) I, II, III, IV and V			
11.							
11.	a) Vitamin-K	is present in rod cells and b) Melanin	c) Rhodopsin	d) Vitamin-C			
	wy vitainin K	o) Melalili	o) Idiodopsiii	w) vitamini G			
12.	nerve fibre is enclose	o not form a myelin sheath	around the axon				
	a) Afferent	b) Unmyelinated	c) Myelinated	d) Efferent			
				•			
13.	<ul><li>a) High concentration of I</li><li>b) High concentration of I</li><li>c) low concentration of N</li></ul>		of Na <sup>+</sup> inside the axon				
	d) low concentration of K	<sup>+</sup> outside the axon					
14.	<ul> <li>Scala vestibuli, scala media and scala tympani of human ear contains</li> <li>a) Perilymph, endolymph and perilymph respectively</li> <li>b) Endolymphy, perilymph and endolymph respectively</li> <li>c) Perilymphy, endolymph and endolymph respectively</li> <li>d) Perilymph, haemolymph and endolymph respectively</li> </ul>						
15.	<ul> <li>An action potential in the nerve fibre is produced when positive and negative charges on outside and the inside of the axon membrane are reversed because</li> <li>a) More potassium ions enter the axon as compared to sodium ions leaving it</li> <li>b) More sodium ions enter the axon as compared to potassium ions leaving it</li> <li>c) All potassium ions leave the axon</li> <li>d) All sodium ions enter the axon</li> </ul>						
16.	Nissl's granules are found a) Cell body	l in b) Dendrites	c) Both (a) and (b)	d) Axon			

17.	Which statements are wrong?															
	I.Synaptic cleft of neurons secrete adrenaline.															
	• •	a myelin sheath around														
the axon.  III.Non-myelinated nerve fibre is enclosed by a Schwann cell that does not form myelin  IV.Spinal cord and cranial nerves are made of non-myelinated nerve fibres.																
									Of the four statements,							
									a) I, II are correct but III and IV are incorrect							
	b) I, II and III are correct but IV is incorrect c) III and IV are correct but I and II are incorrect d) II and III are correct but I and IV are incorrect															
	,		1000													
18.	The central information processing organ of our body is															
	•	b) Spinal cord	,	c) Brain	d) All of the above											
19.	Which of the following statements are correct for cones of human eye?															
	I. Cones are responsible for daylight vision															
	II. Cones are responsible fo <mark>r colour vision</mark>															
	III. Cones are responsible f	or photopic vision														
	Choose the correct option															
	a) Only I	b) I and II		c) II and III	d) I, II and III											
20																
20.	During synaptic excitation	on														

- a) The membrane potential of the post-synaptic cell hyperpolarizes
- b) The epsps are all or none in nature
- c) The epsps can summate
- d) After an epsp the photosynaptic cell passes through a refractory period