

Subject : BIOLOGY DPP No. : 1 Class: XIth

Date:

	Topic :-	Neural Con	trol & Coordin	nation		
1.	Which one is correct about the physiology of eye?  a) The pressure within the eye (the intraocular pressure) is about 1.5 mm Hg (0.2 kPa)  b) When light is shone in one eye both pupils constrict  c) The pupils dilate when the eye is focused on a near object  d) The aqueous humour is an ultrafiltrate of plasma					
2.	Part of ear where soun a) Tympanic membrane c) Semi-circular canal		b) Malleus, incus and d) Cochlea	d stapes		
3.	You are watching a hordry. It is because of  a) Fight and flight response.  c) Sympathetic nervous	onse	b) Autonomic nervo d) Both (a) and (c)	eating fast and mouth is us system		
4.	When the stimulus read neuron through the seca) Acetaldehyde c) Acetylcholine esteras	cretions of	b) Acetylcholine d) Acetyl Co-A	ed to the adjacent		
5.	The reflex pathway comprises a) One afferent neuron c) One afferent and one efferent neuron		b) One efferent neuron d) One afferent and one receptor neuron			
6.	The highly specialized ce a) Detect stimuli b	lls called neurons ca ) Receive stimuli	n c) Transmit stimuli	d) All of the above		
7.	If a motor nerve has a conduction velocity of $10~\rm ms^{-1}$ , how long will it take an action potential to reach a muscle 0.75 m from the spinal cord? a) 75 m b) 1.07 m c) 14 m d) 1.4 m					

8.	Which of the following statements are correct about the midbrain?  I. Located between the thalamus/hypothalamus  II. Has a canal named cerebral aqueduct passes through  III. Dorsal part consists of 4 lobes					
	Choose the correct option					
	a) I and II	b) II and III	c) I and III	d) I, II and III		
9.	Presynaptic neuron and a) Synaptic knob	d a post-synaptic neuro b) Neuroreceptor gap	n may or may not be sep c) Synapse	arated by a gap called d) Synaptic cleft		
10.	The band of fibre what a) Pons Varolii		lrigemina to cerebellu c) Corpus callosum			
11.	What kind of neural organization can be seen in a) Simple neural system c) Highly developed neural system		n lower vertebrates? b) Complex neural system d) Very poor neural system			
12.		•	synaptic cleft is prime c) An electrical event	•		
13.	During the conductio a) Influx of K <sup>+</sup> ions c) Efflux of K <sup>+</sup> ions	n of <mark>nerv</mark> e imp <mark>ulse,</mark> th	e repolarization occur b) Influx of Na <sup>+</sup> ions d) Efflux of Mg <sup>2+</sup> ions			
14.	How many pairs of spinal nerve are found in human?					
	a) 32	b)31	c) 30	d)33		
15.	Which of the following are the properties of neural system?					
	a) Conductivity and elasticity		b) Excitability and elasticity			
	c) Flexibility and excitability		d) Excitability and conductivity			
16.	Which part of brain controls intellectual ability?					
	a) Frontal lobe	b) Parietal lobe	c) Temporal lobe	d)Occipital lobe		
17.	Which of these processes occur during repolarisation of nerve fibre?  Open Na <sup>+</sup> channel  I. Closed Na <sup>+</sup> channel  II. Closed K <sup>+</sup> channel  V. Open K <sup>+</sup> channel  Open K <sup>+</sup> channel  III (III) (III) (III) (III) (III) (III)					
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- 18. The middle layer of human eye, choroid contains ...A... and looks ...B... in colour Choose the correct option for A, B
  - a) A-blood vessels, B-bluish

b) A-connective tissue, B-redish

c) A-bipolar cells, B-blackish

- d) A-muscle fibre, B-brownish
- 19. Which pair of systems jointly coordinate and integrate all the activities of the organs, so that they function in a synchronized fashion?
  - a) Neural and respiratory

- b) Neural and digestive system
- c) Neural and endocrine system
- d) Neural and circulatory system
- 20. Photoreceptor cells that contains the light sensitive proteins are called
  - a) Rhodopigments
- b) Photopigments
- c) Conopigments
- d) None of these

