

Class : XIth Date : Subject : BIOLOGY DPP No. : 7

## **Topic :- Neural Control & Coordination**

- 1. Intercellular communication in multicellular organism occurs through
  - a) Digestive system only
  - b) Respiratory system only
  - c) Nervous system only
  - d) Both nervous and endocrine system

## 2. Which of the following statements are is correct?

- I. Dendrites are long fibre, with branched distal end
- II. Axons are short fibres which arise from the cell body
- III. Cell body of a neuron contains cytoplasm, nucleus with cell organelles and Nissl's granules
- IV. The dendrites transmits nerve impulses away from the cell body to a synapse

The correct option is

a) Only III	b) I and II	c) I, II and III	d) I, II and IV
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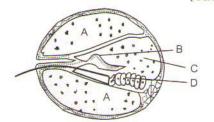
3. The rods and cones of th<mark>e reti</mark>nal layer of eye are modified

a) Hairs	b) Unipolar neurons	
c) Bipolar neurons	d) Multipolar neurons	

- 4. The order of the three layers of cells in the retina of human eye from inside to outside is
  - a) Bipolar cells, photoreceptor cells, ganglion cells
  - b) Ganglion cells, rods, cones
  - c) Ganglion cells, bipolar cells, photoreceptor cells
  - d) Photoreceptor cells, ganglion cells, bipolar cells
- 5. Synaptic vesicles contains chemicals calleda) Synaptic fluidb) Neurotransmittersc) Vesicular fluidd) All of these
- 6. The neurons may be<br/>a) Multipolarb) Bipolarc) Unipolard) All of these

The outermost cover	ring of brain is			
a) Duramater	b) Arachnoid	c) Pigamater	d) Choroid layer	
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8. In humans, tympanic membrane (ear drum) separates lympanic cavity from				
a) Pinna	b) Auditory meatus	c) Eustachian tube	d)Cochlea	
9. At their resting stage, the body cells exhibit a potential of -5 to -100 mV known as				
a) Polarization	b) Resting potential	c) Repolarization	d) Depolarization	
10. Our paired eyes are located in sockets of the skull called				
a) Orbits	b) Cornea	c) Iris	d) Lens	
11. The decoding and interpretation of visual information is carried out by which part of				
the brain?				
	<ul> <li>a) Duramater</li> <li>In humans, tympanic r</li> <li>a) Pinna</li> <li>At their resting stage</li> <li>a) Polarization</li> <li>Our paired eyes are log</li> <li>a) Orbits</li> <li>The decoding and in</li> </ul>	In humans, tympanic membrane (ear drum) se a) Pinna b) Auditory meatus At their resting stage, the body cells exhibi a) Polarization b) Resting potential Our paired eyes are located in sockets of the se a) Orbits b) Cornea The decoding and interpretation of visual i	a) Duramaterb) Arachnoidc) PigamaterIn humans, tympanic membrane (ear drum) separates lympanic cavity a) Pinnab) Auditory meatusc) Eustachian tubeAt their resting stage, the body cells exhibit a potential of -5 to -1 a) Polarizationb) Resting potentialc) RepolarizationOur paired eyes are located in sockets of the skull called a) Orbitsb) Corneac) IrisThe decoding and interpretation of visual information is carried	

- a) Cerebellum b) Frontal lobe c) Parietal lobe d) Occipital lobe
- 12. Given below is a diagrammatic cross-section of a single loop of human cochlea.



Which one of the following options correctly represents the name of three different parts?

a) A-Tectorial membrane	B-Perilymph	
C-Secretory cells	D-Endolymph	
b)A-Endolymph	B-Sensory hair cells	
C-Serum	D-Tectorial membrane	
c) A-Sensory hair cells	B-Endolymph	
C-Tectorial membrane	D-Perilymph	
d)A-Perilymph	<b>B-Tectorial membrane</b>	
C-Endolymph	D-Organ of Corti	

13. For the maintenance of ionic gradients across the resting membrane, the sodium-potassium pump transports
2) 2Ne<sup>+</sup> extremely for 2K<sup>+</sup> into the cell

a) 3Na <sup>+</sup> outwards for 2K <sup>+</sup> into the cell	b) 2Na <sup>+</sup> outwards for 2K <sup>+</sup> into the cell
c) $3Na^+$ inwards for $2K^+$ out the cell	d) 2Na <sup>+</sup> inwards for 2K <sup>+</sup> out the cell

14. Comprehension of spoken and written words take place in the region ofa) Association areab) Motor areac) Wernicke's aread) Broca's area

<ul><li>15. Excessive stimulation of vagus nerve in h</li><li>a) Hoarse voice</li><li>c) Efficient digestion of proteins</li></ul>	mans may lead to b) Peptic ulcers d) Irregular contraction of diaphragm	
<ul><li>16. Pupil, is the aperture surrounded by the a) Ciliary body</li><li>b) Connective tissue</li></ul>	c) Iris d) Choroid	
<ul> <li>17. In which direction, cristae of rabbit ear helps in maintaining balance?</li> <li>a) Circular position of longitudinal axis of semi circular canals</li> <li>b) Transverse position of longitudinal axis of semi circular canals</li> <li>c) Parallel to longitudinal axis of semi circular canals</li> <li>d) All of the above</li> </ul>		
<ul> <li>18. The inner parts of cerebral hemispheres and amygdala, hippocampus, etc. form a complex a) Arbor vitae</li> <li>c) Corpora quadrigemina</li> <li>19. Rhodopsin is also known as visual a) Red b) Yellow</li> </ul>		
<ul><li>20. What are the two types of nervous system</li><li>a) Alveoli and veins</li><li>c) Neurons and nephrons</li></ul>	m cells? b) Alveoli and bronchioles d) Neurons and glia	