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NEET NEURAL CONTROL AND COORDINATION — NEURON AS STRUCTURAL AND FUNCTIONAL UNIT — PYQS

Max. Marks: 32 **Questions:** 8

Section A (MCQ) — 8 questions

Q.1 Match **List-I** with **List-II**

List - I		List - II	
A.	Schwann cells	I.	Neurotransmitter
B.	Synaptic knob	II.	Cerebral cortex
C.	Bipolar neurons	III.	Myelin sheath
D.	Multipolar neurons	IV.	Retina

Choose the correct answer from the options given below: [RE-NEET (UG) 2024]

(1) A-III, B-I, C-IV, D-II (2) A-I, B-IV, C-II, D-III

(3) A-IV, B-III, C-II, D-I (4) A-II, B-III, C-I, D-IV

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Q.2 Match **List-I** with **List-II** :

List-I		List-II	
a.	Multipolar neuron	i.	Somatic neural system
b.	Bipolar neuron	ii.	Cerebral cortex
c.	Myelinated nerve fibre	iii.	Retina of Eye
d.	Unmyelinated nerve fibre	iv.	Spinal nerves

Choose the correct answer from the options given below : [NEET (UG) 2022 (Phase 2)]

(1) (a)-(ii), (b)-(iii), (c)-(iv), (d)-(i)

(2) (a)-(iii), (b)-(i), (c)-(iv), (d)-(ii)

(3) (a)-(ii), (b)-(iv), (c)-(iii), (d)-(i)

(4) (a)-(ii), (b)-(iii), (c)-(i), (d)-(iv)

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Q.3 Nissl's bodies are mainly composed of [NEET 2018]

(1) free ribosomes and RER

(2) proteins and lipids

(3) DNA and RNA

(4) nucleic acids and SER

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Q.4 Myelin sheath is produced by [NEET 2017]

(1) astrocytes and Schwann cell

(2) oligodendrocytes and osteoclasts

(3) osteoclasts and astrocytes

(4) Schwann cells and oligodendrocytes.

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Q.5 Which one of the following pairs of structures distinguishes a nerve cell from other types of cell? [AIPMT 2007]

(1) Perikaryon and dendrites

(2) Nucleus and mitochondria

(3) Flagellum and medullary sheath

(4) Vacuoles and fibres

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Q.6 Four healthy people in their twenties got involved in injuries resulting in damage and death of a few cells of the following. Which of the cells are least likely to be replaced by new cells - [AIPMT 2005]

(1) Malpighian layer of the skin

(2) Osteocytes

(3) Neurons

(4) Liver cells

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Q.7 What used to be described as Nissl's granules in a nerve cell are now identified as [AIPMT 2003]

(1) cell metabolites (2) fat granules

(3) ribosomes (4) mitochondria.

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Q.8 Which of the following statements is correct for node of Ranvier of nerve? [AIPMT 2002]

(1) Neurilemma is discontinuous

(2) Myelin sheath is discontinuous

(3) Both neurilemma and myelin sheath are discontinuous

(4) Covered by myelin sheath

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ANSWER KEY

Ques.	1	2	3	4	5	6	7	8			
Ans.	**1**	**1**	**1**	**4**	**1**	**3**	**3**	**2**			