

Neural Control and Coordination

NEET previous year questions · Biology

3 questions from the official papers: NEET 2026 (1), Re-NEET 2026 (1), NEET 2020 (1). Each is followed by its answer and a worked solution written by BrainIt. Generated on 23 October 2026.



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1. NEET 2026 · Q142

The specific receptors for neurotransmitters in a synapse are present on _____.

- | | |
|-------------------|----------------------------|
| (1) Schwann cell | (2) Pre-synaptic membrane |
| (3) Myelin sheath | (4) Post-synaptic membrane |

Answer (4)

Sol. At a chemical synapse, the neurotransmitter is released from the pre-synaptic neuron into the synaptic cleft and binds to specific receptors located on the post-synaptic membrane, opening ion channels and generating a new potential. Therefore the neurotransmitter receptors are present on the post-synaptic membrane, not on the pre-synaptic membrane, Schwann cell, or myelin sheath.

2. Re-NEET 2026 · Q95

Which of the following is not a part of human central neural system?

- | | |
|---------------|-----------------|
| (1) Arachnoid | (2) Dura mater |
| (3) Pia mater | (4) Pericardium |

Answer (4)

Sol. The pericardium is the double-walled sac enclosing the HEART and belongs to the circulatory system. The other three are the meninges - the tough outer dura mater, the web-like middle arachnoid and the delicate inner pia mater - which wrap the brain and spinal cord. NCERT Class 11, Neural Control and Coordination.

3. NEET 2020 · Q70

Match the following columns and select the correct option.

List I	List II
P) Organ of Corti	I) Connects middle ear and pharynx
Q) Cochlea	II) Coiled part of the labyrinth
R) Eustachian tube	III) Attached to the oval window
S) Stapes	IV) Located on the basilar membrane

- | | |
|----------------------------|----------------------------|
| (1) P-III, Q-I, R-IV, S-II | (2) P-IV, Q-II, R-I, S-III |
| (3) P-I, Q-II, R-IV, S-III | (4) P-II, Q-III, R-I, S-IV |

Answer (2)

Sol. The organ of Corti lies on the basilar membrane; the cochlea is the coiled labyrinth; the Eustachian tube joins the middle ear to the pharynx; and the stapes contacts the oval window. Thus P-IV, Q-II, R-I, S-III. Chapter: Neural Control and Coordination.

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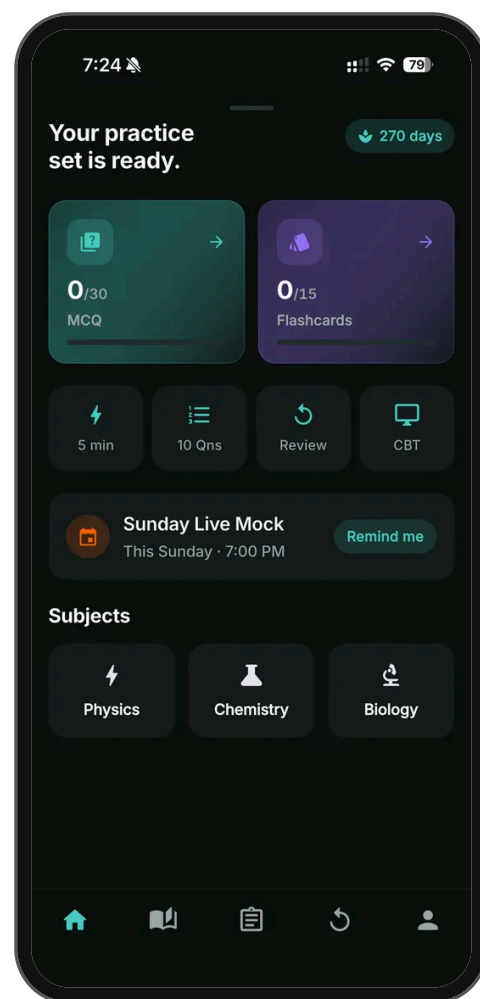
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