

CLASS 11

BIOLOGY

REVISION NOTES

Class 11 Biology Chapter 18 Neural Control and Coordination – Revision Notes

Quick revision notes for Class 11 Biology Chapter 18 (Neural Control and Coordination). These Class 11 Biology Chapter 18 notes are ideal for quick revision just before exams.

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Class 11 Biology Chapter 18 – Solutions and Important Questions

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Neuron and Impulse

Cell body, dendrites, axon.

Resting potential ($\sim -70\text{mV}$); depolarization (Na^+ in) $\rightarrow$ repolarization (K^+ out).

Synapse

Chemical synapse: neurotransmitter (e.g. acetylcholine) crosses synaptic cleft.

CNS and PNS

CNS: brain (cerebrum, cerebellum, medulla) + spinal cord.

PNS: somatic (voluntary) + autonomic (sympathetic/parasympathetic).

Reflex Arc

Receptor $\rightarrow$ sensory neuron $\rightarrow$ spinal cord relay $\rightarrow$ motor neuron $\rightarrow$ effector; faster than voluntary response.

One-Line Summary

The nervous system controls and coordinates body functions through electrical nerve impulses (action potentials) and chemical synaptic transmission, with the CNS, PNS, and reflex arcs enabling both voluntary and rapid involuntary responses.

Class 11 Biology Chapter 18 – Solutions and Important Questions

Need full answers or more practice? See the [Class 11 Biology Chapter 18 Solutions](#) and [Class 11 Biology Chapter 18 Extra Questions](#).

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