

Accelerated Learning Program (ALP) for Physics – 9 (Session 2025-26)

To ensure timely curriculum completion and effective learning within the educational calendar of the 2025-26 academic session, selected topics of Physics- 9 have been reduced under the Accelerated Learning Program (ALP).

This adjustment has been made carefully to prevent any learning loss, content overlap, or conceptual gap for students. The modified scheme retains all core concepts required for progression to higher grades, while maintaining curriculum coherence across science subjects.

Chapter No.	Chapter Name	Topics	Page No.	Exercise
1	Physical Quantities & Measurements	1.6 Mass measuring instruments 1.7 Time measuring instruments 1.8 Errors in measurements 1.10 Uncertainty in a measurement 1.12 Precision and Accuracy	16 17 18-19 20 21-22	MCQs: 1.3, 1.6, 1.8, 1.11 Shot answer questions: 1.5, 1.8, 1.9, 1.10, 1.11 CRQs: 1.1, 1.2, 1.4, 1.8, 1.10 Comprehensive Questions: 1.3, 1.4, 1.5 Numerical Problems: 1.2, 1.5, 1.7, 1.9
2	Kinematics	2.3: Types of Motion 2.8: Gradient of a distance time graph 2.10: Gradient of a speed time graph	33 41 43	MCQs: 2.5, 2.6, 2.8, 2.9, 2.10 Shot answer questions: 2.6, 2.7, 2.8 CRQs: 2.1, 2.3, 2.4, 2.5 Comprehensive Questions: 2.3, 2.5, 2.7 Numerical Problems: 2.5, 2.8, 2.10
3	Dynamics	3.2: Fundamental forces 3.3: Forces in a free body diagram 3.5: Limitation of Newton's laws of motion 3.7: Mechanical and electronic balances	55-56 57 61 64-65	MCQs: 3.4, 3.7, 3.8 Shot answer questions: 3.7, 3.8, 3.10 CRQs: 3.3, 3.5, Comprehensive Questions: 3.6, Numerical Problems: 3.5, 3.6, 3.8, 3.9
4	Turning Effects of Force	4.7: Centre of gravity and centre of mass 4.11: Improvement of stability 4.12: Application of stability in real life • Rotational motion versus translational motion	88-90 95 96 97	MCQs: 4.4, 4.5, 4.6, 4.8 Shot answer questions: 4.5, 4.6, 4.8, 4.9, 4.10 CRQs: 4.3, 4.5 Comprehensive Questions: 4.2, 4.4 Numerical Problems: 4.2, 4.5, 4.6, 4.9, 4.10

5	Work, Energy and Power	5.4: Sources of energy 5.6: The advantages and disadvantages of methods of energy production	113-117 118	MCQs: 5.2, 5.4, 5.7 Shot answer questions: 5.3, 5.6, 5.10 CRQs: 5.2, 5.5, 5.8, 5.9 Comprehensive Questions: 5.3, 5.5 Numerical Problems: 5.2, 5.5, 5.7, 5.8, 5.9, 5.12, 5.13
6	Mechanical Properties of Matter	<ul style="list-style-type: none"> • Applications of Hooke's law 6.7: Measurement of atmospheric pressure 6.8: Measurement of pressure by manometer <ul style="list-style-type: none"> • Activities 6.1 and 6.6: 	130 137-138 138 129,142	MCQs: 6.2, 6.4, 6.5 Shot answer questions: 6.2, 6.6, 6.9 CRQs: 6.1, 6.3, 6.4, 6.7, 6.9, 6.10 Comprehensive Questions: 6.2, 6.5 Numerical Problems: 6.3, 6.8, 6.10, 6.11, 6.12
7	Thermal Properties of Matter	7.1: Kinetic molecular theory of matter 7.4: Sensitivity, range and linearity of thermometers 7.5: Structure of a liquid in glass thermometer	149-150 155-156 156	MCQs: 7.1, 7.2, 7.7, 7.10, 7.11 Shot answer questions: 7.1, 7.2, 7.3, 7.6, 7.9, 7.10, 7.11, 7.14, 7.15 CRQs: 7.4, 7.5, 7.7, 7.8, 7.10, 7.11, 7.12 Comprehensive Questions: 7.1, 7.4, 7.5 Numerical Problems: 7.5, 7.6
8	Magnetism	<ul style="list-style-type: none"> • Applications of permanent magnets • Magnetic relay • Telephone receiver 8.8: Domain theory of magnetism <ul style="list-style-type: none"> • Alignment of domains 8.10: Application of Magnets in recording technology 8.11: Soft iron as magnetic shield	168 170 171 172 173 175-176 176-177	MCQs: 8.3, 8.6, 8.7, 8.8 Shot answer questions: 8.5, 8.6, 8.7, CRQs: 8.3, 8.5 Comprehensive Questions: 8.5, 8.6
9	Nature of Science	9.4: Interdisciplinary research 9.6: Scientific base of technology and engineering	186-187 190-191	MCQs: 9.4, 9.5, 9.7, 9.11 Shot answer questions: 9.3, 9.7, 9.8 CRQs: 9.5, 9.6, 9.8, 9.9, 9.10 Comprehensive Questions: 9.2, 9.4