Annex-A

Punjab Education, Curriculum, Training & Assessment Authority
Smart Syllabus / Accelerated Learning Program (ALP) for Physics-9 (Session 2026-27)

Note: All types of questions for BISE Examination paper will be prepared from the entire content of the textbook other than those topics and questions which have been excluded / deleted in the Smart Syllabus (ALP) for Physics-9 (Session 2026-27).

To ensure timely curriculum completion and effective learning within the educational calendar of the 2026-27 academic session, selected topics of Physics- 9 have been reduced under the Smart Syllabus / Accelerated Learning Program (ALP).

This adjustment has been made carefully to prevent any learning loss, content overlap, or conceptual gap for students. The detail is as follows:

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 (Revised)** 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	• Applications of Hooke's law 6.7: Measurement of atmospheric pressure 6.8: Measurement of pressure by manometer • 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, 6.6, 6.7, 6.8, 6.9, 6.10 (Revised)** **Comprehensive Questions: 6.1 (Applications of Hooke's Law are excluded), 6.2, 6.5 (Revised)** 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: 7.1, 7.4, 7.5, 7.7, 7.8, 7.10, 7.11, 7.12 (Revised)** Comprehensive Questions: 7.1, 7.4, 7.5 Numerical Problems: 7.5, 7.6
8	Magnetism	• Applications of permanent magnets • Magnetic relay • Telephone receiver 8.8: Domain theory of magnetism • 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, 8.4, 8.6, 8.7, 8.8 (Revised)** 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