Smart Syllabus / Accelerated Learning Programme (ALP)
Physics (Tech) Grade-10 for
Academic Session 2026-27 & BISE Exam-2027

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10	Thermal Physics	10.2: Specific heat capacity • Latent heat of vaporization	6-8 9-10	MCQs: 10.4, 10.5 Short answer questions: 10.4, 10.5 CRQs: 10.1, 10.3 Comprehensive Questions: 10.2 (Latent heat of vaporization is excluded), 10.3 Numerical Problems: 10.4. 10.6
11	Transfer of Thermal Energy	11.3: Heat transfer through radiation	18-21	MCQs: 11.4, 11.5, 11.7 Short answer questions: 11.1, 11.6, 11.7 CRQs: 11.1, 11.4 Comprehensive Questions: 11.2, 11.4
12	Waves	12.4: Seismic waves	32	MCQs: 12.5, 12.6 Short answer questions: 12.3, 12.4 CRQs: 12.1, 12.4 Numerical Problems: 12.4, 12.6
13	Sound	13.4: Musical sounds and noise 13.5: Reflection of sound (echo) Example: 13.2 Example: 13.3 13.7: Acoustic protection of buildings	41 42 42 44-45 45	MCQs: 13.2, 13.5, 13.6 Short answer questions: 13.2, 13.4 CRQs: 13.3, 13.5 Comprehensive Questions: 13.2, 13.4 Numerical Problems: 13.4, 13.5

14	Light	Activity 14.1: Finding the image position in a plane mirror 14.3: Image formation in a normal eye 14.4: Dispersion of light by prism	50 57-59 59-60	MCQs: 14.4 CRQs: 14.1, 14.2, 14.5 Comprehensive Question: 14.5 Numerical Problems: 14.4, 14.5
15	Electrostatics	15.5: Conduction of electric charges	70-71	MCQs: 15.4 Short answer questions: 15.3, 15.4, 15.6 CRQs: 15.1, 15.4, 15.5 Numerical Problems: 15.3, 15.4
16	Electricity	16.4: Combination of resistances Example: 16.2 16.6: Potential divider circuit 16.8: Household circuits and safety measures	83-85 84-85 85-86 87-89	MCQs: 16.4, 16.6 Short answer question: 16.5 CRQs: 16.2, 16.3, 16.4, 16.5 Comprehensive Question: 16.4 Numerical Problems: 16.2, 16.3
17	Electromagnetism	17.3: Turning effect on a current-carrying coil in magnetic field 17.4: Electric motor	97 98	MCQs: 17.2, 17.3, 17.4 Short answer questions: 17.3, 17.4, 17.5 CRQs: 17.2, 17.3 Comprehensive Questions: 17.3, 17.4
18	Electromagnetic Induction	18.2: A.C. generator 18.3: Transformer Example: 18.2	105-107 107-108 108-109	MCQs: 18.3, 18.4, 18.5 Short answer questions: 18.3, 18.4, 18.5, 18.6 CRQs: 18.2, 18.3, 18.4 Comprehensive Questions: 18.2, 18.3 Numerical Problems: 18.3, 18.4, 18.5

19	Nuclear Physics	19.4: Radioactive Decay Example: 19.2 19.6: Interconversion of matter and energy Example 19.3: 19.9: Radiation exposure	116-117 117 119 119-120 125-127	MCQs: 19.3, 19.5, 19.6, 19.7 Short answer questions: 19.4, 19.5, 19.8 CRQs: 19.3, 19.5 Comprehensive Questions: 19.2, 19.3 Numerical Problems: 19.4, 19.5

LIST OF EXCLUDED PHYSICS (TECH) GRADE-9 PRACTICALS FOR ACADEMIC SESSION 2026-2027

- Measure the area of cross-section and volume of a solid cylinder by measuring its length and diameter with Vernier Callipers.
- Measure the diameter of a metal ball bearing or a wire by using a micrometer screw gauge.
- Determine the resultant of two forces graphically by using a horizontal force table.
- Find the density of a solid by using a measuring cylinder.

LIST OF EXCLUDED PHYSICS (TECH) GRADE-10 PRACTICALS FOR ACADEMIC SESSION 2026-2027

- Find the specific heat of a given solid by the method of mixture using polystyrene cup.
- Find the refractive index of water by using a concave mirror
- Study resistors in a series circuit.
- Study resistors in a parallel circuit.