THE GENIUS SCIENCE ACADEMY

Class 11th (1st Year FSc / ICS) • Official PECTAA Smart Syllabus Breakdown

Source: PECTAA ALP Grade-11 (Session 2025-26, 71 Pages)
Published: Academic Year 2026–27 Portal Reference
Status: Verified Official 2025–26 Document Structure

⚠ **EDITION NOTICE:** Based on official PECTAA 2025–26 ALP (Annual Exam 2026). Grade-11 2026–27 edition not yet verified by PBCC. **2026–27 UNVERIFIED**

MATHEMATICS GRADE-11 • OFFICIAL 14 UNITS & ALP DELETIONS (100 MARKS)

ANNUAL EXAM 2026 CURRICULUM

Unit No. & Official Title	Status	Excluded / Deleted Content & Questions (Official PECTAA ALP)	Retained Core Focus (BISE Exam)
Unit 1: Complex Numbers	RETAINED	1.4.1 Polar Form (Ex 12–16, pp 15–18); 1.5 Real World (Ex 17–18, pp 19–20); **Ex 1.5 Q2 to Q22**	Algebraic properties, modulus, conjugate, Argand plane, Ex 1.1 to 1.4, Ex 1.5 Q1.
Unit 2: Functions and Graphs	RETAINED	2.5 Real Life Applications (Ex 12 & 13, pp 31–32); **Ex 2.2 Q4 & Q5** (p 33)	Domain, range, inverse functions, composite functions, vertical line test, Ex 2.1 & Ex 2.2 Q1–3.
Unit 3: Theory of Quadratic Functions	RETAINED	3.5 Real World Problems (Ex 9 & 10, pp 41–42); **Ex 3.2 Q2 to Q7** (p 43)	Roots nature, discriminant, symmetric functions, synthetic division, Ex 3.1 & Ex 3.2 Q1.
Unit 4: Matrices and Determinants	RETAINED	4.6 Row Operations; 4.7 Echelon/Reduced Echelon (Ex 8–10); 4.8 & 4.9 Linear Systems (Ex 11, 14, 15); 4.10 Real World (Ex 16–17); **Ex 4.3 Q1, 2, 5–11**	Matrix algebra, determinants, minors, cofactors, Cramer's rule, matrix inversion, Ex 4.1, 4.2 & Ex 4.3 Q3, 4.
Unit 5: Partial Fractions	100% RETAINED	**No content or questions deleted** (Complete Unit Retained per PECTAA)	Proper/improper rational fractions, linear & quadratic factors (Cases I to IV complete).
Unit 6: Sequences and Series	RETAINED	Ex 6.2 Q20–23; Ex 6.3 Q6; Ex 6.4 Q17–19; Ex 6.5 Q7–10, 14; Ex 6.6 Q7–8; Ex 6.7 Q6; **6.8 Arithmetico-Geometric (Ex 6.8 Complete)** ; Ex 6.9 Q13–18; **6.11 Real Life (Ex 6.11 Complete)**	AP, GP, HP standard definitions, nth terms, arithmetic & geometric means, sum of series (Ex 6.1–6.7 & 6.9 core).
Unit 7: Permutations and Combinations	RETAINED	**Ex 7.2 Q6, 9, 11** ; **Ex 7.3 Q9, 10, 11** ; **Ex 7.4 Q4, 5, 6, 17, 18**	Factorial notation, nPr, nCr theorems, circular permutations, probability basics, Ex 7.1, 7.5 core.
Unit 8: Mathematical Induction & Binomial Theorem	100% DELETED	**Complete Unit is DELETED / EXCLUDED per PECTAA ALP** (All sections, examples, exercise questions fully omitted)	None. Excluded from BISE examination paper and model papers.
Unit 9: Division of Polynomials	100% RETAINED	**No content or questions deleted** (Complete Unit Retained per PECTAA)	Remainder theorem, factor theorem, synthetic division of polynomials, root finding.
Unit 10: Trigonometric Identities	RETAINED	10.6 Triple Angle Identities (pp 192–193); **Ex 10.3 Q2(viii, ix, x, xii), Q5** ; **Ex 10.4 Q6 to Q10**	Fundamental identities, signs in quadrants, distance formula, allied angles, double & half angle formulas.
Unit 11: Trigonometric Functions & Graphs	RETAINED	11.4.1 to 11.4.4 Graphs of sin x, cos x, tan x (pp 205–210); **Exercise 11.2 (Complete)**	Periods of trigonometric functions (Ex 11.1 complete), domain and range of circular functions.
Unit 12: Limit and Continuity	RETAINED	12.4 Real World Limit Applications (Ex 14–17, pp 234–235); **Exercise 12.3 (Complete)**	Limits theorems, algebraic evaluation, limits at infinity, continuity of functions (Ex 12.1 & 12.2).
Unit 13: Differentiations	RETAINED	13.7 Applications of Differentiation (Ex 12–15, pp 255–256); **Exercise 13.3 (Complete)**	Derivative by first principle (ab-initio), product & quotient rules, chain rule (Ex 13.1 & 13.2).
Unit 14: Vectors in Space	RETAINED	Ex 14.1 Q9–10; Ex 14.2 Q7, 8, 12; **14.4 Scalar Triple Product (Ex 23–31, Ex 14.4 Complete)**	Vector representation in 3D, dot product, cross product, direction cosines, Ex 14.1, 14.2 & 14.3 core.

Official Mathematics-11 Paper Pattern & Pairing Scheme (100 Marks • 3 Hours)

Q1: Objective (20 Marks) Time: 30 min • 20 MCQs	2 MCQs each: Units 1, 4, 6, 7, 10, 13, 14 (14M) • 1 MCQ each: Units 2, 3, 5, 9, 11, 12 (6M). Total = 20 Marks.		
Q2: Short Qs (16 Marks) Attempt 8 out of 12	Unit 1: 4 Short Qs Unit 2: 2 Short Qs	Unit 3: 2 Short Qs Unit 4: 3 Short Qs	Unit 5: 1 Short Q *(Scope: Units 1 to 5)*
Q3: Short Qs (16 Marks) Attempt 8 out of 12	Unit 6: 4 Short Qs Unit 7: 3 Short Qs	Unit 9: 2 Short Qs Unit 10: 3 Short Qs	*(Scope: Units 6, 7, 9, 10)* *(Unit 8 completely excluded)*
Q4: Short Qs (18 Marks) Attempt 9 out of 13	Unit 11: 2 Short Qs Unit 12: 3 Short Qs	Unit 13: 4 Short Qs Unit 14: 4 Short Qs	*(Scope: Units 11 to 14 complete)*
Part-II: Long Questions Attempt 3 out of 5 (30 Marks) Each Q carries 10M (5+5)	**Q5:** (a) Unit 1 [5M] + (b) Unit 2 or Unit 3 [5M] | **Q6:** (a) Unit 4 [5M] + (b) Unit 5 or Unit 9 [5M] **Q7:** (a) Unit 6 [5M] + (b) Unit 7 [5M] | **Q8:** (a) Unit 10 [5M] + (b) Unit 12 [5M] | **Q9:** (a) Unit 13 [5M] + (b) Unit 14 [5M]		

BIOLOGY GRADE-11 • OFFICIAL CHAPTERS & DELETED EXERCISE QUESTIONS

11 CHAPTERS RETAINED • CH 7 EXCLUDED

Chapter No. & Name	Status	Deleted Topics & Questions (Official PECTAA ALP)	Retained Core Focus (BISE Exam)
Ch 1: Biodiversity and Classification	RETAINED	How are Archaea unique? (pp 2–3); 1.2 Taxonomic Hierarchy (pp 5–7); 1.5 Vertebrate Classif. (pp 19–25); 1.6 Virus Classif. (pp 25–26); 1.7 Biodiversity; 1.8 Speciation; **MCQs 1–2, 5–10; SQ 2, 4(iv,v), 6–9; LQ 1–2, 6–11**	Concept of species, five kingdom system, binomial nomenclature, evolutionary classification principles.
Ch 2: Bacteria and Viruses	RETAINED	2.3 Motility in Bacteria (p 37); 2.5 Ecology & Diversity (pp 39–41); 2.6 Importance (pp 41–42); **MCQs 4, 6, 8; SQ 11–14; LQ 2, 5, 6; Inquisitive Qs**	Bacterial cell structure, gram staining, nutrition, viral structure, bacteriophage lifecycle, retroviruses (HIV).
Ch 3: Cells and Subcellular Organelles	RETAINED	3.1 Basic Unit (pp 48–49); 3.2 Cell Theory; 3.3 Microscopy; Plasma membrane techniques (pp 58–59); Prokaryote vs Eukaryote diff (pp 76–77); **SQ 1, 2; Inquisitive Qs**	Organelle functions: nucleus, ribosomes, ER, Golgi, lysosomes, mitochondria, chloroplasts, cytoskeleton.
Ch 4: Molecular Biology	RETAINED	4.1 Biological Molecules; 4.2 Bonds in Biology; 4.3 Synthesis/Hydrolysis; Fig 4.38; Fig 4.43 NAD structure; **SQ 1; LQ 1, 2; Inquisitive Qs**	Carbohydrates, lipids, proteins (primary/secondary/tertiary), nucleic acids (DNA replication, transcription, translation).
Ch 5: Enzymes	RETAINED	5.4 Factors affecting enzyme action rate (pp 131–133); **MCQ 6; SQ 7; LQ 5–8; Inquisitive Qs**	Enzyme nature, activation energy, active site, lock & key vs induced fit models, enzyme inhibition (competitive/non-competitive).
Ch 6: Bioenergetics	RETAINED	ATP currency (p 141); Pigments/chlorophyll role (pp 144–145); Fuel molecules (p 161); 6.3 Photorespiration (pp 161–164); **SQ 7, 10; LQ 1, 13–16**	Photosynthesis light reactions (Z-scheme), Calvin cycle, glycolysis, Krebs cycle, electron transport chain, chemiosmosis.
Ch 7: Structural & Computational Biology	100% DELETED	**Entire unit is DELETED along with all MCQs, Short Qs, Long Qs & Inquisitive Qs (pp 167–176)**	None. Entire chapter omitted from teaching schedules and BISE examinations.
Ch 8: Plant Physiology	RETAINED	8.1 Plant Nutrition (pp 177–180); 8.3 Support (pp 182–183); 8.4 Water Potential; Plant Growth Regulators (pp 192–194); **MCQ 10; SQ 1–3; Inquisitive Qs**	Water & mineral absorption, transpiration cohesion-tension theory, phloem translocation (pressure flow), photoperiodism.
Ch 9: Human Digestive System	RETAINED	Storage & metabolic role of liver (p 212); **MCQ 10; Inquisitive Questions (All)**	Alimentary canal anatomy, mechanical/chemical digestion, stomach gastric secretions, small intestine absorption, villi.
Ch 10: Human Respiratory System	RETAINED	Respiratory surface properties (p 216); 10.2 Gas transport (pp 221–223); Otitis media; **MCQ 6–7; SQ 1, 6; LQ 2–3**	Lungs structure, respiratory mechanics, gas exchange in alveoli, control of breathing, respiratory disorders (asthma, emphysema).
Ch 11: Human Circulatory System	RETAINED	11.2 Blood vessels (pp 238–242); 11.4 Cardiovascular disorders (pp 246–249); **MCQ 1; SQ 1, 5, 7, 8, 10; LQ 4, 5, 9–13**	Blood composition, heart structure, cardiac cycle, ECG, lymphatic system, blood pressure regulation, immune cells.
Ch 12: Skeletal & Muscular Systems	RETAINED	Bone development (pp 257–258); Side boxes (pp 264–265); 12.2 Skeletal disorders (pp 266–270); Tetany vs Tetanus; **SQ 8, 9; LQ 3, 4, 11, 12**	Human skeleton structure, joints types, skeletal muscle ultrastructure, sliding filament theory of muscle contraction.

Official Biology-11 Examination Paper Pattern & Pairing Scheme (85 Marks • 3 Hours)

Q1: Objective (17 Marks) Time: 20 min • 17 MCQs	2 MCQs each: Chs 1, 4, 6, 8, 11, 12 (12 Marks) • 1 MCQ each: Chs 2, 3, 5, 9, 10 (5 Marks). *(Ch 7 has 0 MCQs).*		
Q2: Short Qs (16 Marks) Attempt 8 out of 12	Ch 1: 2 Short Qs	Ch 3: 3 Short Qs Ch 8: 4 Short Qs	Ch 11: 3 Short Qs *(Scope: Chs 1, 3, 8, 11)*
Q3: Short Qs (16 Marks) Attempt 8 out of 12	Ch 2: 2 Short Qs	Ch 5: 3 Short Qs Ch 9: 3 Short Qs	Ch 12: 4 Short Qs *(Scope: Chs 2, 5, 9, 12)*
Q4: Short Qs (12 Marks) Attempt 6 out of 9	Ch 4: 3 Short Qs	Ch 6: 3 Short Qs	Ch 10: 3 Short Qs *(Scope: Chs 4, 6, 10)*
Part-III: Long Questions Attempt 3 out of 5 (24 Marks) Each Q carries 8M (4+4)	**Q5:** (a) Ch 1 [4M] + (b) Ch 11 [4M] | **Q6:** (a) Ch 3 [4M] + (b) Ch 9 [4M] | **Q7:** (a) Ch 6 [4M] + (b) Ch 10 [4M] **Q8:** (a) Ch 2 [4M] + (b) Ch 12 [4M] | **Q9:** (a) Ch 4 [4M] + (b) Ch 8 [4M]		

PHYSICS GRADE-11 • OFFICIAL 12 CHAPTERS & DELETED SUB-TOPIC NUMBERS

ALL 12 CHAPTERS RETAINED • SPECIFIC TRIMS

Chapter No. & Name	Status	Deleted Content & Questions (Official PECTAA ALP)	Retained Core Focus (BISE Exam)
Ch 1: Measurements	RETAINED	1.1 Physical quantities & units (p 2); 1.2 SI units (pp 2–5); **MCQs 1.2–1.4, 1.14, 1.16; SAQ 1.1, 1.3–1.5; CRQ 1.1, 1.3, 1.5–1.9, 1.11; Comp Q 1.3(b); Num 1.1, 1.2, 1.8**	Errors, uncertainties, significant figures, dimensional analysis, precision vs accuracy.
Ch 2: Force and Motion	RETAINED	2.1 Scalars; 2.2 Vectors; Derivation of equations by graphical method; **2.10 Elastic collision in 2D; MCQs 2.3–2.6; SAQ 2.1–2.4, 2.7, 2.8, 2.12; Num 2.4, 2.6, 2.10**	Newton's laws, linear momentum, elastic collisions in 1D, projectile motion, impulse.
Ch 3: Circular & Rotational Motion	RETAINED	3.1 Angular displacement; 3.7 Moment of inertia derivations; **MCQs 3.4, 3.8; SAQ 3.3, 3.7; Num 3.3, 3.8**	Angular velocity & acceleration, centripetal force, moment of inertia, angular momentum, conservation.
Ch 4: Work, Energy and Power	RETAINED	4.4 Conservation of energy in resistive medium; 4.7 Non-conventional energy sources; **MCQs 4.5, 4.9; SAQ 4.4, 4.7; Num 4.2, 4.7, 4.8, 4.10**	Work done by constant/variable force, gravitational PE, kinetic energy, work-energy principle, power.
Ch 5: Solids and Fluid Dynamics	RETAINED	5.1 Solids classif.; 5.4 Young's modulus wire; 5.10 Velocity increase; 5.15 Viscous fluids; 5.16 Superfluids; **MCQ 5.3, 5.9, 5.12; SAQ 5.5, 5.6, 5.10; Num 5.3, 5.5, 5.6**	Stress, strain, elasticity, modulus of elasticity, fluid flow, equation of continuity, Bernoulli's equation.
Ch 6: Heat and Thermodynamics	RETAINED	6.1 Assumptions kinetic theory (pp 113–117); 6.6 Heat engine (p 122, Ex 6.1); **MCQ 6.3, 6.4, 6.7, 6.8, 6.10; SAQ 6.1, 6.2, 6.9–6.11; Num 6.1, 6.2, 6.7, 6.8**	First law of thermodynamics, molar specific heats (Cp - Cv = R), Carnot engine, second law, entropy.
Ch 7: Waves and Vibrations	RETAINED	7.1 Waves; 7.4 Stationary waves formation; Tuning musical instruments; **MCQ 7.1, 7.3, 7.4, 7.9; SAQ 7.4, 7.5; CRQ 7.1, 7.3; Num 7.1, 7.2, 7.4, 7.5**	SHM, simple pendulum, resonance, wave characteristics, speed of sound, Doppler effect.
Ch 8: Physical Optics & Gravitational Waves	RETAINED	8.2 Polarization types; Optical activity; Gravitational wave detectors; **MCQ 8.3, 8.6; SAQ 8.2, 8.5; CRQ 8.3; Num 8.3, 8.6**	Wavefronts, Huygens' principle, interference, Young's double slit, diffraction grating, polarization.
Ch 9: Electrostatics & Current Electricity	RETAINED	9.9 External electric field shielding (pp 200–201); 9.19 Galvanometer use (pp 214–215); Ex 9.9, 9.11; **MCQ 9.4, 9.8; SAQ 9.3, 9.7; Num 9.4, 9.8**	Coulomb's law, electric field & potential, capacitors, Ohm's law, resistivity, Kirchhoff's rules, potentiometer.
Ch 10: Electromagnetism	RETAINED	10.3 Magnetic flux linkage (p 227); 10.5 Velocity selector (pp 229–230); 10.7 Lenz's law (pp 233–235); Ex 10.2, 10.4, 10.5, 10.7; **MCQ 10.2, 10.3, 10.10; SAQ 10.1, 10.4–10.7; Num 10.7–10.12**	Magnetic force on current-carrying conductor, magnetic flux, Faraday's law, mutual & self induction, transformer.
Ch 11: Special Theory of Relativity	RETAINED	11.5 Space-time in relativity (pp 249–251); **MCQ 11.1; SAQ 11.1, 11.4, 11.8; CRQ 11.1, 11.2; Comp Q 11.3; Num 11.7, 11.8**	Postulates of special relativity, time dilation, length contraction, relativistic mass, mass-energy equivalence ($E=mc^2$).
Ch 12: Nuclear and Particle Physics	RETAINED	12.8 Conservation laws (p 267); 12.10 Plasma universe; 12.11 Force theories; 12.12 Standard model; **MCQ 12.2, 12.4, 12.5, 12.9, 12.15–12.17; SAQ 12.2, 12.3, 12.7, 12.11, 12.13–12.14; Num 12.6**	Atomic nucleus, mass defect & binding energy, radioactivity, half-life, nuclear fission, nuclear fusion.

Official Physics-11 Paper Pattern & Pairing Scheme (85 Marks • 3 Hours)

Q1: Objective (17 Marks) Time: 20 min • 17 MCQs	2 MCQs each: Chs 5, 7, 9, 10, 12 (10 Marks) • 1 MCQ each: Chs 1, 2, 3, 4, 6, 8, 11 (7 Marks). Total = 17 Marks.		
Q2: Short Qs (16 Marks) Attempt 8 out of 12	Ch 1: 2 Short Qs Ch 2: 2 Short Qs	Ch 3: 4 Short Qs Ch 4: 4 Short Qs	*(Scope: Chs 1, 2, 3, 4)* *Total = 12 Short Qs*
Q3: Short Qs (16 Marks) Attempt 8 out of 12	Ch 6: 2 Short Qs Ch 8: 2 Short Qs	Ch 7: 4 Short Qs Ch 9: 4 Short Qs	*(Scope: Chs 6, 7, 8, 9)* *Total = 12 Short Qs*
Q4: Short Qs (12 Marks) Attempt 6 out of 9	Ch 5: 3 Short Qs	Ch 10: 3 Short Qs	Ch 11: 1 Short Q • Ch 12: 2 Short Qs *(Scope: Chs 5, 10, 11, 12)*
Part-II: Long Questions Attempt 3 out of 5 (24 Marks) Each Q carries 8M (Theory 5 + Num 3)	**Q5:** (a) Ch 1 [5M] + (b) Ch 2 [3M] | **Q6:** (a) Ch 3 [5M] + (b) Ch 4 [3M] | **Q7:** (a) Ch 5 [5M] + (b) Ch 6 [3M] **Q8:** (a) Ch 7 [5M] + (b) Ch 8 [3M] | **Q9:** (a) Ch 9 or 10 [5M] + (b) Ch 11 or 12 [3M]		

CHEMISTRY GRADE-11 • OFFICIAL CHAPTERS & DELETED SECTIONS (85 MARKS)

14 RETAINED • CH 15 & 16 DELETED

Chapter No. & Title	Status	Excluded / Deleted Content & Questions (Official PECTAA ALP)	Retained Core Focus (BISE Exam)
Ch 1: Periodic Table & Periodicity	RETAINED	1.1 History, 1.2 Modern table features (pp 2–3), 1.4 Blocks & 1.5 Families (pp 4–5); **MCQ I, II; SAQ c, g**	Periodic law, atomic radius, ionization energy, electron affinity, electronegativity trends.
Ch 2: Atomic Structure	RETAINED	2.3.1 Atomic Spectra (p 24), 2.7–2.9 Electronic configurations (pp 35–39); **SAQ f, g, i; DQ 5**	Bohr's model, quantum numbers, orbital shapes, Aufbau principle, Hund's rule, Pauli exclusion.
Ch 3: Chemical Bonding	RETAINED	3.1 Types, 3.2 Electronegativity, 3.3 Intermolecular forces, 3.4 Bond energy/length (pp 44–51); **MCQ I, II, III**	VSEPR theory, hybridization (sp, sp^2, sp^3), molecular orbital theory (MOT), dipole moment.
Ch 4: Gases and Liquids	RETAINED	Kinetic molecular theory derivations; Graham's law industrial applications; **MCQ IV, V; SAQ d, e**	Ideal gas equation (PV=nRT), Dalton's law, real gas deviation, van der Waals equation, liquid properties.
Ch 5: States & Phases of Matter	RETAINED	5.10 Energetics of phase changes, 5.11 Solids (pp 104–105); **MCQ IV; SAQ d, j; Numerical Q 8, 9**	Crystalline solids, crystal lattice, unit cell, types of solids (ionic, covalent, metallic, molecular).
Ch 6: Chemical Energetics	RETAINED	6.11 Entropy, 6.12 Free Energy Change (pp 129–136); **MCQ IV, XI, XII; SAQ c, j; Num Q 9, 10**	First law of thermodynamics, enthalpy, Hess's law, Born-Haber cycle, standard enthalpies.
Ch 7: Reaction Kinetics	RETAINED	7.5 Rate Constant determination, 7.6 Reaction Mechanism (pp 154–158); **MCQ VII–IX, XIII; SAQ c, f–h, k–o; DQ 4, 6**	Rate of reaction, rate law, order of reaction, half-life method, collision theory, Arrhenius equation.
Ch 8: Chemical Equilibrium	RETAINED	8.3–8.5 Equilibrium conditions (pp 166–167), 8.9 Relations, 8.16 Industrial (pp 179–181); **MCQ II, IV, VII; SAQ e, h, i**	Law of mass action, Kc, Kp, Le-Chatelier's principle, solubility product (Ksp), common ion effect.
Ch 9: Acids, Bases and Salts	RETAINED	Acid-base titration experimental methods; Indicator curves; **SAQ c, d, e, f, k; DQ 3, 4, 7**	Arrhenius, Bronsted-Lowry, Lewis concepts, pH, pOH, buffer solutions, salt hydrolysis.
Ch 10: Electrochemistry	RETAINED	10.8–10.10 Electrolysis calculations, 10.16–10.20 Nernst Eq & Feasibility (pp 224–230), 10.22 Winkler; **MCQ I, II; SAQ g–j**	Oxidation states, redox reactions, galvanic cell, standard electrode potential, electrochemical series.
Ch 11: Hydrocarbons	RETAINED	11.9 Conjugated Dienes, 11.10 Isomerism, 11.11 Organic Redox Reactions (pp 257–261); **MCQ I, X; SAQ a, f, h; DQ 6**	Alkanes, alkenes, alkynes preparation, electrophilic addition, Markovnikov's rule, acidity of alkynes.
Ch 12: Nitrogen and Sulfur	RETAINED	12.12 Role of Sulfur in Synthesis, 12.13 Sulfuric Acid (pp 275–280); **MCQ IX, X, XI, XII; SAQ k, m, n, o; DQ 3, 5**	Ammonia manufacture (Haber process), nitric acid (Ostwald process), nitrogen oxides, sulfur compounds.
Ch 13: Organic Chemistry	RETAINED	Selected industrial syntheses; Organometallic reagents; **MCQ III–V; SAQ b, g**	Functional groups, homologous series, IUPAC nomenclature, isomerism (structural and geometric).
Ch 14: Atmosphere	RETAINED	14.8–14.16 Air Quality, Human Health, Experiments, Policies & Economics (pp 306–311); **MCQ III, IV; SAQ d, e, h, i**	Atmospheric layers, greenhouse effect, global warming, acid rain, ozone depletion mechanisms.
Ch 15: Basic Separation Techniques	100% DELETED	**Full Chapter is DELETED / EXCLUDED per PECTAA ALP** (All sections, examples, exercise questions)	None. Excluded from examination syllabus.
Ch 16: Lab Safety & Practical Skills	100% DELETED	**Full Chapter is DELETED / EXCLUDED per PECTAA ALP** (All safety guidelines, practical drills)	None. Excluded from examination syllabus.

English Grade-11 (10 Retained • 4 Deleted • 100 Marks)

Unit No. & Name	Status & PECTAA Deletion Scope
Unit 4: Team Moon	**DELETED ENTIRELY** (pp 42–55)
Unit 7: What You Do is What You are	**DELETED ENTIRELY** (pp 82–94)
Unit 9: Freedom (Poem)	**DELETED ENTIRELY** (pp 105–113)
Unit 12: The Impact of AI on Society	**DELETED ENTIRELY** (pp 131–138)
10 Retained Units: Units 1, 2, 3, 5, 6, 8, 10, 11, 13, 14	**100% RETAINED** • Paper Pattern: Q1 20M MCQs; Q2 7/10 SQs (Units 1,2,5,8,10); Q3 5/8 SQs (Units 3,6,11,13); Q4 3/5 SQs (Unit 14); Q5 Letter/App (10M); Q6 Story (10M); Q7 Stanza/Punctuation/Pairs (15M); Q8 Translation (15M).

Urdu Grade-11 (18 Retained • 4 Deleted • 100 Marks)

Lesson Title & Author	Status & PECTAA Deletion Scope
نثر: چارپائی (از رشید احمد صدیقی)	**DELETED ENTIRELY** (صفحہ 44 تا 49)
نثر: پاکستانی زبانیں اور ان کا باہمی رشتہ	**DELETED ENTIRELY** (صفحہ 90 تا 96)
نظم: کھڑا ڈنر (از سید محمد جعفری)	**DELETED ENTIRELY** (صفحہ 116 تا 119)
غزل: پتا پتا، بوٹا بوٹا (از میر تقی میر)	**DELETED ENTIRELY** (صفحہ 121 تا 125)
18 Retained Lessons: 8 اسباق، 6 نظمیں، 4 غزلیں	**100% RETAINED** • معروضی (نثر، تذکیر و تانیث، 20M اشعار تشریح; 20 Mمحاورات، علمِ بیان، شعری اصطلاحات); 15M نظم خلاصہ; 10 Mخلاصہ; 5 Mسباق و سیاق; 10 تلخیص نگاری۔ Mدرخواست/رسید; 10 Mمکالمہ/روداد; 10