

Glenrich International School, Uttara

Session 2024-25

Grade 11

SYLLABUS BREAKUP



SUBJECT	PRACTICE TEST	SCREENING TEST
ENGLISH	Text Analysis : 25 marks	1. Text Analysis 2. Comparison 3. Directed Writing 4. Reflected Commentary 5. Composition
PROBABILITY & STATISTICS 1	1. Representation of data 2. Measures of central tendency 3. Measures of variation. 4. Probability 5. Permutations and combinations	1. Representation of data 2. Measures of central tendency 3. Measures of variation. 4. Probability 5. Permutations and combinations 6. Probability distributions

<p>PURE MATHS</p>	<p>1. Quadratics (Solving Quadratic Equations by factorization, Completing the square, The Quadratic Formula, Solving Simultaneous Equations, Solving More complex quadratic equations, , minimum and maximum values of quadratic equations, Solving quadratic inequalities, the number of roots and quadratic equations, Intersection of a line and quadratic equations)</p> <p>2,. Functions (Definition of a function, Composite functions, Inverse functions, The graph of a function and its inverse, Transformation of a function, Reflections, Stretches and Combined Transformations)</p> <p>3. Coordinate Geometry (Length of a line segment and midpoint, Parallel and perpendicular lines, Equations of a Circle, Equations of straight lines, Problem involving intersection of circles and equations of lines).</p> <p>4. Circular measure (convert radian to degree or degree to radian measure,Length of an arc,area of sector,area of segment etc.</p>	<p>1. Quadratics (Solving Quadratic Equations by factorization, Completing the square, The Quadratic Formula, Solving Simultaneous Equations, Solving More complex quadratic equations, , minimum and maximum values of quadratic equations, Solving quadratic inequalities, the number of roots and quadratic equations, Intersection of a line and quadratic equations)</p> <p>2,. Functions (Definition of a function, Composite functions, Inverse functions, The graph of a function and its inverse, Transformation of a function, Reflections, Stretches and Combined Transformations)</p> <p>3. Coordinate Geometry (Length of a line segment and midpoint, Parallel and perpendicular lines, Equations of a Circle, Equations of straight lines, Problem involving intersection of circles and equations of lines).</p> <p>4. Circular measure (convert radian to degree or degree to radian measure,Length of an arc,area of sector,area of segment etc.</p> <p>5. Trigonometry (Graph of trigonometry and inverse trigonometric functions,Exact values of related angles,Trigonometric identities,Trigonometric equations)</p>
<p>CHEMISTRY</p>	<p>Chapter 1 Atomic structure Chapter 2 Electrons in atoms Chapter 3 Atoms, molecules and stoichiometry Chapter 4 Chemical bonding Chapter 5 States of matter Chapter 6 Enthalpy changes</p>	<p>Chapter 1 Atomic structure Chapter 2 Electrons in atoms Chapter 3 Atoms, molecules and stoichiometry Chapter 4 Chemical bonding Chapter 5 States of matter Chapter 6 Enthalpy changes Chapter 7 Redox reactions Chapter 8 Equilibria Chapter 14 Introduction to organic chemistry Chapter 15 Hydrocarbons Chapter 16 Halogenoalkanes Chapter 17 Alcohols, esters and carboxylic acids</p>

<p>PHYSICS</p>	<p>Chapter 1: Physical Quantities and Units Chapter 2: Kinematics Chapter 3: Dynamics Chapter 4: Forces, Density, Pressure Chapter 5: Work, Energy, Power Chapter 6: Deformation of Solids</p>	<p>1. Physical quantities and Units, 2. Kinematics, 3. Dynamics, 4. Force, density and Pressure, 5. Work, Energy and Power, 6. Deformation of solids 7. Waves 8. Superposition</p>
<p>BIOLOGY</p>	<p>Chapter1: Cell structure Chapter2: Biological molecules Chapter 3: Enzymes Chapter 4: Cell membranes and transport</p>	<p>Chapter1: Cell structure Chapter2: Biological molecules Chapter 3: Enzymes Chapter 4: Cell membranes and transport Chapter 5: The mitotic cell cycle Chapter 6: Nucleic acids and protein synthesis Chapter11: Immunity</p>
<p>ACCOUNTING</p>	<p>Irrecoverable and doubtful debts-12, Provision for Depreciation-11, Control a/c-14, Incomplete records-16, Accruals & Prepayments-10 Partnership business -17, Limited company-19,</p>	<p>Irrecoverable and doubtful debts-12, Provision for Depreciation-11, Control a/c-14, Incomplete records-16, Absorption costing, Unit, job and batch costing-29, Accruals & Prepayments-10 Partnership business -17, Limited company-19,</p>

<p>BUSINESS</p>	<ol style="list-style-type: none"> 1. Enterprise 2. Business structure 3. Size of business 4. Business objectives 5. Stakeholders in business 6. HRM 7. Motivation 8. Management 	<ol style="list-style-type: none"> 1. Enterprise 2. Business structure 3. Size of business 4. Business objectives 5. Stakeholders in business 6. HRM 7. Motivation 8. Management 9. The nature of marketing 10. Market research 11. The marketing mix-product and price 12. The marketing mix-place and promotion 13. The nature of operation
<p>ECONOMICS</p>	<p>Chapter-1 Scarcity, choice and opportunity Chapter-2 Economic methodology Chapter-3 Factors of production Chapter-4 Resource allocation in different economic systems Chapter-5 Production possibility curves Chapter-6 Classification of goods and services Chapter-7 Demand and supply curves Chapter-8 Price elasticity, income elasticity and cross elasticity of demand Chapter-9 Price elasticity of supply Chapter-10 The interaction of demand and supply Chapter-11 Consumer and producer surplus Chapter-12 Reasons for government intervention in markets Chapter-13 Methods and effects of government intervention in markets Chapter-14 Addressing income and wealth inequality Chapter-15 National income statistics</p>	<p>Chapter-1 Scarcity, choice and opportunity Chapter-2 Economic methodology Chapter-3 Factors of production Chapter-4 Resource allocation in different economic systems Chapter-5 Production possibility curves Chapter-6 Classification of goods and services Chapter-7 Demand and supply curves Chapter-8 Price elasticity, income elasticity and cross elasticity of demand Chapter-9 Price elasticity of supply Chapter-10 The interaction of demand and supply Chapter-11 Consumer and producer surplus Chapter-12 Reasons for government intervention in markets Chapter-13 Methods and effects of government intervention in markets Chapter-14 Addressing income and wealth inequality Chapter-15 National income statistics Chapter-16 Introduction to the circular flow of income Chapter-17 Aggregate demand and aggregate supply analysis Chapter-18 Economic growth Chapter-19 Unemployment Chapter-20 Price stability</p>

COMPUTER SCIENCE	<p>PAPER 1 Chapter 1 Data Representation Chapter 2 Communication Chapter 3 Hardware PAPER 2: Chapter 9 Algorithm Chapter 10 Data type</p>	<p>PAPER 1 Chapter 1 Data Representation Chapter 2 Communication Chapter 3 Hardware Chapter 4 Processor PAPER 2: Chapter 9 Algorithm Chapter 10 Data type</p>
LAW	<p>Paper 1: Chapter 2: Legislation Chapter 3: DL Chapter 4: Statutory Interpretation Chapter 5: Precedent Paper 2: Data Response Chapter 14: Theft Chapter 15: Robbery Chapter 16: Burglary</p>	<p>Paper 1: Chapter 1: ELS Context Chapter 2: Legislation Chapter 3: DL Chapter 4: Statutory Interpretation Chapter 5: Precedent Paper 2: Data Response Chapter 14: Theft Chapter 15: Robbery Chapter 16: Burglary</p>
PSYCHOLOGY	<p>Chapter 1: Research Methods (aim & hypothesis, variables, correlations, sampling, experiments, self-reports, observations, case studies, longitudinal studies, data analysis, ethics) Chapter 2: Biological Approach (Sleep and dream, Monkey Toy preferences, Mindfulness and brain scans) Chapter 3: Cognitive approach (Doodling)</p>	<ul style="list-style-type: none"> • Chapter 1: Research Methods (aim & hypothesis, variables, correlations, sampling, experiments, self-reports, observations, case studies, longitudinal studies, data analysis, ethics); • Chapter 2: The Biological Approach (sleep & dream, Monkey Toy preferences, Mindfulness and brain scans) Chapter 3: (Doodling, Eyes test, Line ups) Chapter 4: Learning Approach (Bandura et al, Elephant learning, Button phobia)