

**CREDENCE HIGH SCHOOL, DUBAI**  
**SYLLABUS-PERIODIC REVIEW-1 - 2025-2026**

GRADE - 11	
SUBJECT	SYLLABUS
ENGLISH	<p><b>Total Marks (25)</b></p> <p><b>Reading Comprehension (5 Marks )</b></p> <ul style="list-style-type: none"> <li>Note making &amp; Summarising</li> </ul> <p><b>Writing (3 Marks )</b></p> <ul style="list-style-type: none"> <li>Advertisement</li> </ul> <p><b>Integrated Grammar (2 Marks )</b></p> <ul style="list-style-type: none"> <li>Gap filling (Tenses)</li> </ul> <p><b>Literature (15 Marks )</b></p> <ul style="list-style-type: none"> <li>The Portrait of a Lady - Kushwant Singh</li> <li>Photograph - Shirley Toulson</li> <li>We Are Not Afraid to Die..If We Can Be Together</li> <li>Summer of the Beautiful White Horse (Prose)</li> <li>The Address</li> </ul> <p>(Speech Writing will be incorporated in Literature Questions)</p>
MATHEMATICS	<p><b>Total Marks (25)</b></p> <ul style="list-style-type: none"> <li><b>SETS (5 Marks )</b></li> <li><b>RELATIONS AND FUNCTIONS (3 Marks )</b></li> <li><b>TRIGONOMETRIC FUNCTIONS (8 Marks )</b></li> <li><b>COMPLEX NUMBERS (5 Marks )</b></li> <li><b>PERMUTATIONS &amp; COMBINATIONS (4 Marks )</b></li> </ul>
APPLIED MATHEMATICS	<p><b>Total Marks (25)</b></p> <ul style="list-style-type: none"> <li><b>Numbers (5 Marks )</b></li> <li><b>Indices and Logarithm (7 Marks )</b></li> <li><b>Numerical Application (8 Marks )</b></li> <li><b>Sets and Relation (5 Marks )</b></li> </ul>

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<b>ACCOUNTANCY</b>	<p><b>Total Marks (25)</b></p> <p><b>Introduction to Accounting (4 Marks )</b></p> <ul style="list-style-type: none"><li>Accounting- concept, meaning, as a source of information, objectives, advantages and limitations, types of accounting information; users of accounting information and their needs. Qualitative Characteristics of Accounting Information. Role of Accounting in Business. Single entry &amp; Double entry system of Accounting.</li></ul> <p><b>Basic Accounting Terms (3 Marks )</b></p> <ul style="list-style-type: none"><li>Entity, Business Transaction, Capital, Drawings. Liabilities (Non Current and Current). Assets (Non Current, Current); Expenditure (Capital and Revenue), Expense, Revenue, Income, Profit, Gain, Loss, Purchase, Sales, Goods, Stock, Debtor, Creditor, Voucher, Discount (Trade discount and Cash Discount)</li></ul> <p><b>Theory Base of Accounting (8 Marks )</b></p> <ul style="list-style-type: none"><li>Fundamental accounting assumptions and concepts: Meaning, Features, Accounting Standards, -meaning, nature, objectives, utility and limitations of Accounting standards.</li><li>IFRS and ISA.</li></ul> <p><b>Basis of Accounting: cash basis and accrual basis (5 Marks )</b></p> <ul style="list-style-type: none"><li>Cash basis and Accrual basis- Meaning , Advantages and disadvantages. Numericals solving, Difference between cash basis and accrual basis.</li></ul> <p><b>Accounting Equation (5 Marks )</b></p> <ul style="list-style-type: none"><li>Calculation of Total Assets, Capital and other variables, Effect of transactions on Accounting Equation</li></ul>
<b>PHYSICS</b>	<p><b>Total Marks (25)</b></p> <p><b>Units and measurement (7 Marks )</b></p> <ul style="list-style-type: none"><li>Need for measurement: Units of measurement; systems of units; SI units, fundamental and derived units. significant figures, Dimensions of physical quantities, dimensional analysis and its applications.</li></ul>

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	<p><b>Motion in a Straight Line (10 Marks )</b></p> <ul style="list-style-type: none"><li>• Frame of reference, Motion in a straight line, Elementary concepts of differentiation and, integration for describing motion, uniform and non- uniform motion, average speed and average velocity and instantaneous velocity, uniformly accelerated motion, velocity - time, and position-time graphs. Relations for uniformly accelerated motion (graphical and calculus method)</li></ul> <p><b>Motion in a Plane (8 Marks )</b></p> <ul style="list-style-type: none"><li>• Scalar and vector quantities; position and displacement vectors, general vectors and their notations; equality of vectors, addition and subtraction of vectors, Unit vector; resolution of a vector in a plane, rectangular components. Motion in a plane, cases of uniform velocity and uniform acceleration- projectile motion</li></ul>
<b>BIOLOGY</b>	<p><b>Total Marks (25)</b></p> <p><b>Cell: The Unit of Life (7 Marks )</b></p> <ul style="list-style-type: none"><li>• Cell theory and cell as the basic unit of life, structure of prokaryotic and eukaryotic cells; Plant cell and animal cell; cell envelope; cell membrane, cell wall; cell organelles - structure and function; endomembrane system, endoplasmic reticulum, golgi bodies, lysosomes, vacuoles, mitochondria, ribosomes, plastids, microbodies; cytoskeleton, cilia, flagella, centrioles (ultrastructure and function); nucleus.</li></ul> <p><b>Biomolecules (5 Marks )</b></p> <ul style="list-style-type: none"><li>• Chemical constituents of living cells: biomolecules, structure and function of proteins, carbohydrates, lipids, and nucleic acids; Enzyme - types, properties, enzyme action. (Topics excluded: Nature of Bond Linking Monomers in a Polymer, Dynamic State of Body Constituents Concept of Metabolism, Metabolic Basis of Living, The Living State)</li></ul> <p><b>Cell Cycle and Cell Division (8 Marks )</b></p> <ul style="list-style-type: none"><li>• Cell cycle, mitosis, meiosis and their significance</li></ul> <p><b>Breathing and Exchange of Gases (5 Marks )</b></p> <ul style="list-style-type: none"><li>• Respiratory organs in animals (recall only); Respiratory system in</li></ul>

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	<p>humans; mechanism of breathing and its regulation in humans - exchange of gases, transport of gases and regulation of respiration, respiratory volume; disorders related to respiration - asthma, emphysema, occupational respiratory disorders.</p>
<b>CHEMISTRY</b>	<p><b>Total Marks (25)</b></p> <p><b>Some basic concepts of chemistry (15 Marks )</b></p> <ul style="list-style-type: none"><li>• Nature of matter, laws of chemical combination, Dalton's atomic theory: concept of elements, atoms and molecules.</li><li>• Atomic and molecular masses, mole concept and molar mass, percentage composition, empirical and molecular formula, chemical reactions, stoichiometry and calculations based on stoichiometry.</li></ul> <p><b>Structure of atom (10 Marks )</b></p> <ul style="list-style-type: none"><li>• Discovery of Electron, Proton and Neutron, atomic number, isotopes and isobars. Thomson's model and its limitations. Rutherford's model and its limitations, Bohr's model and its limitations, concept of shells and subshells, dual nature of matter and light, de Broglie's relationship, Heisenberg uncertainty principle, concept of orbitals, quantum numbers, shapes of s, p and d orbitals, rules for filling electrons in orbitals - Aufbau principle, Pauli's exclusion principle and Hund's rule, electronic configuration of atoms, stability of half-filled and completely filled orbitals.</li></ul>
<b>BUSINESS STUDIES</b>	<p><b>Total Marks (25)</b></p> <p><b>Nature and Purpose of Business (10 Marks )</b></p> <ul style="list-style-type: none"><li>• Business, profession and employment</li><li>• Objectives of business</li><li>• Classification of business activity</li><li>• Industry-types</li><li>• Commerce-trade</li><li>• Business risk-Concept</li></ul> <p><b>Forms of Business organizations (10 Marks )</b></p> <ul style="list-style-type: none"><li>• Sole Proprietorship</li><li>• Partnership-Types of partnership</li><li>• Hindu Undivided Family Business</li><li>• Cooperative Societies</li></ul>

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	<ul style="list-style-type: none"><li>● Company-Formation of company</li><li>● Choice of form of business organization</li></ul> <p><b>Public, Private and Global Enterprises (5 Marks )</b></p> <ul style="list-style-type: none"><li>● Public sector and private sector enterprises</li><li>● Forms of public sector enterprises:</li><li>● Departmental Undertakings, Statutory</li><li>● Corporations and Government Company</li><li>● Global Enterprises</li><li>● Public private partnership</li></ul>
<b>ECONOMICS</b>	<p><b>Total Marks (25)</b></p> <p><b>Unit 4 - Introduction (15 Marks )</b></p> <ul style="list-style-type: none"><li>● Microeconomics and macroeconomics</li><li>● Positive and normative economics</li><li>● Central problems of an economy</li><li>● Concepts of PPC</li></ul> <p><b>Unit 5 - Consumer's Equilibrium and Demand (10 Marks )</b></p> <ul style="list-style-type: none"><li>● Consumer's equilibrium - meaning of Utility, Marginal Utility, Law of Diminishing Marginal Utility, conditions of consumer's equilibrium using marginal utility analysis.</li></ul>
<b>INFORMATICS PRACTICES</b>	<p><b>Total Marks (25)</b></p> <p><b>Computer System (5 Marks )</b></p> <ul style="list-style-type: none"><li>● Introduction to computer and computing:</li><li>● Computer Memory</li></ul> <p><b>Introduction to Python Programming (20 Marks )</b></p> <ul style="list-style-type: none"><li>● Basics of Python programming, execution modes (5 Marks)</li><li>● Control Statements: if-else, if-elif-else, while and for loops (5 Marks)</li><li>● List and List Operations (5 Marks)</li><li>● Dictionary and Dictionary Operations (5 Marks)</li></ul>
<b>COMPUTER SCIENCE</b>	<p><b>Total Marks (25)</b></p>

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	<p><b>Computer System and Organization (15 Marks )</b></p> <ul style="list-style-type: none"><li>• Basic computer organisation</li><li>• Operating System(OS), Boolean logic, Number System and Encoding Schemes</li></ul> <p><b>Computational Thinking and programming-1 (10 Marks )</b></p> <ul style="list-style-type: none"><li>• Introduction to Problem-solving</li></ul>
<b>PAINTING</b>	<p><b>Total Marks (25)</b></p> <p><b>Still life Drawing (25 Marks )</b></p>
<b>PSYCHOLOGY</b>	<p><b>Total Marks (25)</b></p> <p><b>Understanding Psychology/ What is Psychology? (12 Marks )</b></p> <ul style="list-style-type: none"><li>• What is Psychology?</li><li>• Understanding mind and behaviour</li><li>• Popular notions about the discipline of psychology</li><li>• Evolution of Psychology</li><li>• Development of Psychology in India</li><li>• Branches of Psychology</li><li>• Psychology and Other Disciplines</li><li>• Psychology in Everyday Life</li></ul> <p><b>Methods of Enquiry in Psychology (13 Marks )</b></p> <ul style="list-style-type: none"><li>• Goals of Psychological Enquiry</li><li>• Nature of Psychological Data</li><li>• Some Important Methods in Psychology</li><li>• Analysis of Data</li><li>• Limitations of Psychological Enquiry</li><li>• Ethical Issues</li></ul>
<b>ARTIFICIAL INTELLIGENCE</b>	<p><b>Total Marks (25)</b></p> <p><b>Employability Skills (8 Marks )</b></p> <ul style="list-style-type: none"><li>• Communication Skills</li><li>• Self-Management Skills</li><li>• ICT Skills</li><li>• Entrepreneurial Skills</li></ul>

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	<ul style="list-style-type: none"><li>● Green Skills</li></ul> <p><b>Introduction: Artificial Intelligence for Everyone (10 Marks )</b></p> <ul style="list-style-type: none"><li>● What is Artificial Intelligence?</li><li>● Evolution of AI</li><li>● Types of AI</li><li>● Domains of AI</li><li>● AI Terminologies</li><li>● Benefits and limitations of AI</li></ul> <p><b>Unlocking your Future in AI (7 Marks )</b></p> <ul style="list-style-type: none"><li>● The Global Demand</li><li>● Some Common Job Roles In AI</li><li>● Essential Skills and Tools for Prospective AI Careers</li><li>● Opportunities in AI across Various Industries</li></ul>
<b>MARKETING</b>	<p><b>Total Marks (25)</b></p> <p><b>Communication skills III (5 Marks )</b></p> <ul style="list-style-type: none"><li>● Methods of Communication -Verbal-Non-verbal -Visual Communication styles- assertive, aggressive, passive- aggressive, submissive, etc. Writing skills to the following:</li></ul> <p><b>Self-Management Skills-III (5 Marks )</b></p> <ul style="list-style-type: none"><li>● Describe the importance of dressing appropriately, looking decent, and having positive body language</li><li>● Describe the term Grooming</li><li>● Prepare a personal grooming checklist</li><li>● Describe the techniques of self-exploration</li></ul> <p><b>ICT Skills-III (5 Marks )</b></p> <ul style="list-style-type: none"><li>● Introduction to Word Processing.</li><li>● Software packages for word processing.</li><li>● Opening and exiting the word processor.</li><li>● Creating a document</li></ul> <p><b>Entrepreneurial Skills-III (10 Marks )</b></p> <ul style="list-style-type: none"><li>● Attitudes in general and entrepreneurial Attitudes</li><li>● Using imagination, Intuition: Tendency to Take a moderate risk</li><li>● Enjoying freedom of expression and action</li></ul>

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	<ul style="list-style-type: none"><li>• Looking for economic Opportunities</li><li>• Believing that we can change the Environment</li><li>• Analyzing the situation and planning action</li></ul>
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