

**P.S.SENIOR SECONDARY SCHOOL**

**SYLLABUS FOR QUARTERLY EXAM ( SCIENCE GROUP )**

<b>SUBJECT</b>	<b>CLASS XI</b>	<b>CLASS XII</b>
<b>ENGLISH</b>	<p><b>HORNBILL:</b>1. The Portrait of a Lady 2. We're not afraid to Die.. If We Can All Be Together 3. Discovering Tut: The Saga Continues 4. A Photograph 5. The Laburnum Top</p> <p><b>SUPPLEMENTARY</b> 1. The Summer of the Beautiful /white Horse. 2. The Address</p> <p><b>GENERAL GRAMMAR, WRITING :</b> 1. Poster making, 2.Classifieds ( Rentals, Real Estate) 3. Speech writing 4. Debate writing</p> <p><b>READING :</b> Note making &amp; Summary, Comprehension</p>	<p><b>FLAMINGO:</b> 1.The last lesson 2.The lost spring 3. Deep water 4. The Rat trap 5. My mother at 66 6. Keeping Quiet 7. A Thing of Beauty</p> <p><b>VISTAS:</b> 1.The third level 2. Tiger King 3. Journey to the end...4. The Enemy</p> <p><b>WRITING:</b> 1. Notice 2. Invitations &amp; reply 3. Letter to Editor 4. Article writing</p> <p><b>READING :</b> Comprehension</p>
<b>MATHS</b>	<p>Sequence and series, Complex numbers, Trigonometry, Straight lines, Sets, Conics.</p>	<p>Matrices and Determinants, LPP, Vectors, Three Dim Geometry, Relation and functions, Inverse trig functions, Continuity and Differentiability and Differentiation, App of Derivatives</p>
<b>PHYSICS</b>	<p>01. Units and dimensions 02. One dimension motion 03. Motion on a plane 04. Newton's laws of motion 05. Work power Energy 06. Gravitation</p>	<p>01. Electric charges and field 02. Electrostatic potential and capacitance 03. Current electricity 04. Moving charges and magnetic effects 05. Magnetism and matter 06. EMW 07. Ray optics 08. Wave optics 09. Dual nature of radiation</p>
<b>CHEMISTRY</b>	<p>1. Basic concepts of chemistry 2. Structure of atom 3. Periodic classification of elements 4. Chemical bonding 5. Redox Reactions</p>	<p>1. Solutions 2. Electrochemistry 3. The d- and f- block Elements 4. Coordination compounds 5.Haloalkanes and Haloarenes 6.Alcohols,Phenols and Ethers 7. Aldehydes, Ketones and Carboxylic acids</p>

<b>BIOLOGY</b>	<b>1.The Living World 2.Biological Classification 3.Morphology of Flowering Plants 4.Anatomy of Flowering Plants 5.Structural Organisation in Animals 6.Cell-The Unit of Life 7.Breathing and Exchange of Gases 8.Body Fluids and Circulation</b>	<b>1.Sexual Reproduction in Flowering Plants 2. Reproductive Health 3. Principles of Inheritance and Variation 4.Molecular Basis of Inheritance 5. Human Health and Diseases 6. Biotechnology : Principles &amp; Processes 7. Organisms and Populations</b>
<b>COMPUTER SCIENCE</b>	<b>1. Computer system-Basic computer organisation, Types of software, Operating system, Encoding Scheme,Number system - Binary, Octal, Decimal and Hexadecimal number system; conversion between number systems 2. Introduction to Problem-solving- Flowchart, Algorithm, psuedo code, Python - Keywords, Identifiers, Operators (Arithmetic, relational, logical, membership,shortcut operators), input function, print function, type conversion, types of errors, Expression (forming and evaluation), operator precedence, control statements - if, if..else, if..elif. Looping statements (while, for), nested loops</b>	<b>1. Class 11 Revision of Python looping, strings,random,statistics and math module 2. Exception handling 3. Functions - Types of functions, creating user defined functions, calling a function, types of parameters, flow of execution, scope of variables 4. File Handling (binary file,text file and CSV file) 5. MySQL - Database concepts, DDL and DML commands,Joining of Tables,Aggregate functions,Group By,Having</b>
<b>INFORMATICS PRACTICES</b>	<b>1. Computer System 2. Overview of Python - Keywords, Identifiers, Operators,input function, print function, type conversion, types of errors, Expressions, operator precedence, control statements - if, if..else, if..elif. Looping statements (while, for) 3. Introduction to Lists - creation, traversal,indexing</b>	<b>1. MySQL - single row functions, Aggregate functions, Group by, Having, Join 2. Data handling with Pandas -Series and Dataframes - creation, indexing, slicing, mathematical operations, attributes, applying filters, adding rows/columns, updating values, removing rows/columns, renaming rows/columns, .loc,.iloc method, attributes. 3. Introduction to Matplotlib library, drawing graphs from data in a dataframe.</b>

**P.S.SENIOR SECONDARY SCHOOL**

**SYLLABUS FOR QUARTERLY EXAM ( COMMERCE GROUP )**

<b>SUBJECT</b>	<b>CLASS XI</b>	<b>CLASS XII</b>
<b>ENGLISH</b>	<p><b>HORNBILL:</b>1. The Portrait of a Lady 2. We're not afraid to Die.. If We Can All Be Together 3. Discovering Tut: The Saga Continues 4. A Photograph 5. The Laburnum Top</p> <p><b>SUPPLEMENTARY</b> 1. The Summer of the Beautiful White Horse. 2. The Address</p> <p><b>GENERAL GRAMMAR, WRITING :</b> 1. Poster making, 2.Classifieds ( Rentals, Real Estate) 3. Speech writing 4. Debate writing</p> <p><b>READING :</b> Note making &amp; Summary, Comprehension</p>	<p><b>FLAMINGO:</b> 1.The last lesson 2.The lost spring 3. Deep water 4. The Rat trap 5. My mother at 66 6. Keeping Quiet 7. A Thing of Beauty</p> <p><b>VISTAS:</b> 1.The third level 2. Tiger King 3.Journey to the end...4. The Enemy</p> <p><b>WRITING:</b> 1. Notice 2. Invitations &amp; reply 3. Letter to Editor 4. Article writing</p> <p><b>READING :</b> Comprehension</p>
<b>MATHS / APPLIED MATHS</b>	<p><b>APPLIED MATHS :</b> Binary Numbers, Indices and Logarithms, Mensuration, Sequence and Series, Compound Interest and Annuity, Taxation, Utility Bills, Straight Lines.</p> <p><b>MATHEMATICS:</b> Sequence and series, Complex numbers, Trigonometry, Straight lines, Sets, Conic sections</p>	<p><b>MATHEMATICS :</b> Matrices, Determinants, Linear programming problem, Vectors, Three Dim Geometry, Relations and functions, Inverse trig functions, Continuity, Differentiability, Differentiation, App of Derivatives.</p> <p><b>APP . MATHS:</b> Numbers Quantification, Matrices and Determinants, Differentiation, App of Differentiation - Rate of change , Tangent and Normal, Probability, LPP, Financial mathematics</p>

<p><b>BUSINESS STUDIES</b></p>	<ol style="list-style-type: none"> <li>1. Business,trade and Commerce,</li> <li>2. Forms of business organisations,</li> <li>3. Formation of a Company,</li> <li>4. Sources of Business finance,</li> <li>5. Small business and Entrepreneurship (only small business)</li> </ol>	<ol style="list-style-type: none"> <li>1. Nature and Significance of Management,</li> <li>2.Principles of Management,</li> <li>3. Business Environment,</li> <li>4. Financial Management,</li> <li>5. Financial Markets,</li> <li>6. Marketing (Only Place and Promotion),</li> <li>7. Consumer Protection.</li> </ol>
<p><b>ACCOUNTANCY</b></p>	<ol style="list-style-type: none"> <li>1. Introduction to Accounting</li> <li>2. Basic Terms</li> <li>3. Theory Basis of Accounting</li> <li>4. Bases of Accounting</li> <li>5. Accounting Equation</li> <li>6. Rules of Debit and Credit</li> <li>7. Journal</li> <li>8. Ledger</li> <li>9. Trial Balance</li> <li>10. Subsidiary Books - Cash Book</li> <li>11. Subsidiary Books - Other Books</li> <li>12. Bank Reconciliation Statement</li> </ol>	<ol style="list-style-type: none"> <li>1. Partnership - Fundamentals</li> <li>2. Valuation of Goodwill</li> <li>3. Change in Profit Sharing Ratio</li> <li>4. Admission of a Partner</li> <li>5. Retirement of a Partner</li> <li>6. Death of a Partner</li> <li>7. Financial Statements of a company</li> <li>8. Comparative and Common-size Statements</li> <li>9. Ratios</li> <li>10.Cash Flow Statement</li> </ol>
<p><b>ECONOMICS</b></p>	<p><b>MICROECONOMICS</b> = Chp 1 - Introduction &amp; PPC, Chp 2 - Consumer Equilibrium, Demand &amp; Elasticity of Demand, Chp 3 - Production Function</p> <p><b>STATISTICS</b> = Chp 1 - Introduction to Statistics, Chp 2 - Collection of Data, Chp 3 - Organisation of Data. Chp 4 - Presentation of Data, Chp 5 - Measures of Central Tendency (Mean &amp; Median)</p>	<p><b>MACROECONOMICS</b> = National Income, Money &amp; Banking, Government Budget, BOP &amp; Foreign Exchange;</p> <p><b>INDIAN ECONOMIC DEVELOPMENT</b> = Indian Economy on the Eve of Independence, Indian Economy 1950 to 1990, Indian Economy post reforms 1991, Human Capital, Rural Development</p>

<p><b>MARKETING</b></p>	<p>-</p>	<p><b>Marketing:</b>  <b>Unit 1 Product</b>  <b>Unit 2 Price</b>  <b>Unit 3 Place</b></p> <p><b>Employability skills:</b>  <b>Unit 1 Communication skills</b>  <b>Unit 2 Self management skills</b>  <b>Unit 3 ICT skills.</b></p>
<p><b>LEGAL STUDIES</b></p>	<p><b>UNIT 1 : INTRODUCTION TO POLITICAL INSTITUTION</b>  <b>UNIT:2 BASIC FEATURES OF CONSTITUTION OF INDIA</b></p>	<p><b>UNIT 1: JUDICIARY</b>  <b>UNIT 2: ALTERNATE DISPUTE RESOLUTION IN INDIA(ADR)</b>  <b>UNIT 3: TOPICS IN LAW 1 (BUSINESS LAWS)</b>  <b>UNIT 8: LEGAL SERVICES</b></p>
<p><b>ENTREPRENEURSHIP</b></p>	<p><b>Unit 1: Entrepreneurship: Concept and Functions</b></p> <p><b>Unit 2: An Entrepreneur</b></p> <p><b>Unit 3: Entrepreneurial Journey</b></p> <p><b>Unit 4: Entrepreneurship as Innovation and Problem Solving</b></p>	<p>-</p>