

## Annual Examination(Grade IX & XI) SYLLABUS (2020-2021)

GRADE 9		
S.NO	SUBJECT	TOPIC
1	English	<p>Chapters: A Truly Beautiful Mind, My Childhood, Packing, Reach for the Top, Bond of Love, If I were You, Weathering the Storm, in Ersama, The Last Leaf, The Lost Child, A House is Not a Home</p> <p>Poems: A Legend of Northlands, No Men are Foreign, On Killing a Tree, The Road Not Taken</p> <p>Grammar: Tenses, Determiners, Modals, Reported Speech, Sub-Verb Agreement.</p> <p>Writing: Letter to Editor, Business Letters(Placing order, Enquiry, Complaint, Cancellation), Article Writing, Diary Entry.</p>



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2	Hindi	<p>अपठित गद्यांश</p> <p>(व्याकरण)-अनुस्वार अनुनासिक, उपसर्ग प्रत्यय, श्रुतिसम भिन्नार्थक शब्द, पर्यायवाची , विलोम शब्द, अर्थ की दृष्टि से वाक्य के भेद, शब्द और पद।</p> <p>(पाठ्य पुस्तक)-गद्य खंड पाठ-1 धूल, पाठ-2 दुख का अधिकार, पाठ-3 एवरेस्ट मेरी शिखर यात्रा ,पाठ-4 तुम कब जाओगे अतिथि,पाठ-6 धर्म की आड़,</p> <p>(काव्य खंड)- पाठ- 9 अब कैसे छूटे राम-राम धुन, पाठ- 10 दोहे, पाठ-11 आदमी नामा, पाठ-12 एक फूल की चाह।</p> <p>(संचयन)-पाठ-1 गिल्लू, पाठ -2 स्मृति, पाठ -5 हामिद खां ,पाठ-6 दिये जल उठे।</p> <p>(लेखन)-अनुच्छेद लेखन, अनौपचारिक पत्र लेखन, संवाद लेखन, नारा लेखन, संदेश लेखन।</p>
3	Math	<ul style="list-style-type: none"><li>● Real Numbers</li><li>● Polynomials</li><li>● Linear Equations in two variables</li><li>● Coordinate Geometry</li><li>● Lines and angles</li><li>● Triangle</li></ul>



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		<ul style="list-style-type: none"> <li>● Quadrilaterals</li> <li>● Circles</li> <li>● Construction</li> <li>● Heron's Formula</li> <li>● Surface area and volume</li> <li>● Statistics</li> <li>● Probability</li> </ul>
4	S.SC.	<p><b>History</b></p> <p>L.1 The French Revolution, L.3 Nazism and The Rise of Hitler</p> <p><b>Geography</b></p> <p>Ch.1 India- Size and Location, L.2 Physical Features of India</p> <p>L.3 Drainage (only map) As per CBSE</p> <p><b>Political Science</b></p> <p>L.1 What is Democracy? Why Democracy?</p> <p>L.2 Constitutional Design, L.4 Working of the Institution</p> <p><b>Economics</b></p> <p>L.1 The Story of Village Palampur, L.2 People as a Resource</p> <p>L.3 Poverty as a Challenge</p>



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5	Science	<p>Chapter 2. Is Matter Around us Pure</p> <p>Chapter 3. Atoms and Molecules</p> <p>Chapter 4. Structure of the Atom</p> <p>Chapter 5. The Fundamental Unit of Life</p> <p>Chapter 6. Tissues</p> <p>Chapter 8. Motion</p> <p>Chapter 9. Force and Laws of Motion</p> <p>Chapter 10. Gravitation (Few topics deleted - Thrust and pressure, Archimedes' principle and Relative density)</p> <p>Chapter 11. Work and Energy</p> <p>Chapter 13. Why Do We Fall Ill?</p>
6	Artificial Intelligence	<ol style="list-style-type: none"> <li>1. Artificial Intelligence</li> <li>2. AI Project Cycle</li> <li>3. Introduction To Neural Networks</li> <li>4. Introduction To PYTHON</li> </ol>



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GRADE 11		
S.NO	SUBJECT	TOPIC
1	English	<p>(Hornbill)L-We're not afraid to die if....</p> <p>L-Landscape of the soul</p> <p>L-The ailing planet:The green movement's role</p> <p>L-Silk Road</p> <p>Poems-Voice of rain,Childhood</p> <p>(Snapshots)L-The Address</p> <p>L-Ranga's Marriage</p> <p>L-Albert Einstein in school</p> <p>L-Mother's day</p> <p>L-Birth</p> <p>Writing-Business letters,Report writing, Notice writing, Article writing</p> <p>Grammar- Tenses,Modals,Determiners, Reported speech, Subject-Verb agreement ,Comprehension.</p>



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2	Maths	<p>Ch-1 sets</p> <p>Ch-2 Relations and Functions</p> <p>Ch-3 Trigonometry functions</p> <p>Ch-5 complex numbers and quadratic equations</p> <p>Ch-6 linear inequalities</p> <p>Ch-7 permutations and combinations</p> <p>Ch-9 Sequence and series</p> <p>Ch-10 straight lines</p> <p>Ch-13 limits and derivatives</p> <p>Ch-15 Statistics</p>
3	Biology	<p>Unit 1-Diversity in the living World.</p> <p>Unit 2-Structural Organisation in Animals.</p> <p>Unit 3-Cell: Structure and Functions.</p> <p>Unit 4- Plant Physiology.</p> <p>Unit 5-Human Physiology.</p>
4	Chemistry	<p>CH.1 Some basic concept of chemistry</p>



## Annual Examination(Grade IX & XI) SYLLABUS (2020-2021)

		<p>CH.2 Structure of Atom</p> <p>CH.3 Classification of elements and periodicity in properties</p> <p>CH.4 Chemical Bonding.</p> <p>CH 5 States of matter :Gases and Liquids</p> <p>CH.6 Thermodynamics</p> <p>CH.7 Equilibrium</p> <p>CH.8 Redox reaction</p> <p>CH.11 p- block elements</p> <p>CH.12 Organic chemistry.</p> <p>CH.13 Hydrocarbons</p>
5	Physics	<p>Ch-1 Physical World</p> <p>Ch-2 Units and measurements</p> <p>Ch-3 Motion in a straight line</p>



## Annual Examination(Grade IX & XI) SYLLABUS (2020-2021)

		<p>Ch-4 Motion in a plane</p> <p>Ch-5 Law of motion</p> <p>Ch-6 Work energy and power</p> <p>Ch-7 System of particles and rotational motion</p> <p>Ch-8 Gravitation</p> <p>Ch-9 Mechanical Properties of Solids</p> <p>Ch-10 Mechanical Properties of Fluids</p> <p>Ch-11 Thermal Properties of matter</p> <p>Ch-12 Thermodynamics</p> <p>Ch-13 Kinetic Theory of Gases</p>
6	History	<p>Ch -2 Writing and the city life</p> <p>Ch- 3 An Empire across three continents</p> <p>Ch- 4 Central Islamic land</p> <p>Ch - 6 Three orders</p> <p>Ch - 7 Changing cultural tradition</p> <p>Ch- 9 The Industrial Revolution</p>





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		<p>Ch- 10 Displacing Indigenous people</p> <p>Ch- 11 Paths to modernization</p>
7	Political science	<p>Ch-1 Constitutional why and how?</p> <p>Ch-2 Rights in our indian constitution</p> <p>Ch-3 Election and representation</p> <p>Ch-6 Judiciary</p> <p>Ch-8 Local Government</p> <p>Ch-11 Freedom</p> <p>Ch-12 Equality</p> <p>Ch-13 Social justice</p> <p>Ch-14 Rights</p>
8	Business. Studies	<p>Ch-1 Nature and purpose of Business</p> <p>Ch-6 Social Responsibility of Business &amp; Business Ethics</p> <p>Ch-7 Sources of Business Finance</p> <p>Ch-8 Small Business</p>



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		Ch-9 Internal Trade Ch-10 International Business
9	Accounts	Ch-1 Introduction to Accounting Ch-6-Accounting Procedures -Rules of Debit and Credit Ch-12 Bank Reconciliation Statement Ch-14 Depreciation Ch-15 Provision and Reserves Ch-16 Accounting for Bills of Exchange Ch-17 Rectification of Errors Ch-19 Adjustments in Preparation of Financial Statements Ch-20 Accounts from Incomplete Records- Single Entry System
10	Economics	<b>Micro Economics:</b> L.4 Elasticity of Demand, L.5 Production Function, L.6 Costs, L.7 Revenue, L.9 Supply,



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		<p>L.10 Main Market Forms,</p> <p>L.11 Price Determination and Simple Application</p> <p><b>Elementary Statistics:</b> L.1 Economics: An Introduction</p> <p>L.2 Meaning, Scope and Importance of Statistics</p> <p>L.3 Collection of Data,</p> <p>L.7 Graphic Representation,</p> <p>L.8 Measures of Central Tendency: Arithmetic Mean,</p> <p>L.11 Measures of Correlation</p> <p>L.12 Index Numbers</p>
11	Computer	<p>1.1 Basic Computer System Organization</p> <p>1.2 Types of Software</p> <p>2.1 Data Representation</p> <p>2.2 Boolean Logic</p> <p>2.3 Logic Gates and Postulates</p> <p>3.1 Basics of Python</p> <p>4.1 DBMS and RDBMS</p>

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		<p>4.2 Queries in My SQL</p> <p>5.1 Cyber Safety</p> <p>5.2 Online Access and Computer Security</p>
12	Entrepreneurship	<p>Ch-1 Entrepreneurship-Concept and Function</p> <p>Ch-2 An Entrepreneur</p> <p>Ch-3 Entrepreneurial Journey</p> <p>Ch-4 Entrepreneurship as innovation and problem solving</p> <p>Ch-5 Entrepreneurship - Concept of Market , Market Mix</p>
13	Physical education	complete syllabus
14	Fine Arts (Painting)	Complete Syllabus

