

CLASS – IX

TERM – WISE SYLLABUS (2019-20)

English Language

First Term	Second Term	Third Term
1.Total English:Practice papers 2 to 7 2.Compositions:Descriptive, Narrative,Argumentative,Imaginative 3.Letters-Formal and Informal,Notice and E-mail 4.Grammar sheets and exercises based on the following topics: (i)Active-Passive voice (ii)Direct-Indirect speech (iii)Tenses (iv)Conjunctions (v)Preposition, Phrasal Verbs (vi)Interchange of degree of comparison (vii)Do as directed exercises 5.Assignments(2)	1.Total English:Practice Papers 8 to 12 2.Compositions 3.Letters 4.Grammar sheets and exercises on all topics 5.Assignments (2)	1.Practice papers: 13 to 15 2.Compositions 3.Letters 4.Grammar exercises on all topics 5.Assignments (2)

English Literature

1.Merchant of Venice: Act I, Act II Sc.1-4 2.Poems: (i)Television (ii)After Blenheim 3.Short Stories: (i) Old man at the bridge (ii)A Horse and two goats	1.Merchant of Venice: Act II Sc.5-9 2.Poems:(i) The Bangle Sellers (ii)I The Heart of the tree (iii) The cold within 3.Short Stories:(i)Hearts and Hands (ii)An Angel in Disguise (iii)A Face in the Dark	1.Merchant of Venice: Act III Sc.1 2.Poems:(i)Daffodils 3.Short Story:(i)Chief Seattles Speech
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Mathematics		
1.Rational and Irrational numbers 2.Expansions 3.Factorisation 4.Simultaneous Linear equations 5.Problems on Simultaneous Linear equations 6.Triangles 7.Mid- point Theorems 8.Pythagoras Theorem 9.Mensuration	1. Rectilinear figures 2.Theorems on Area 3.Indices 4.Logarithms 5.Trigonometrical ratios 6.Trigonometrical ratios of Standard Angles 7.Quadratic Equations	1.Compound Interest 2.Circles 3.Co-ordinate Geometry 4.Statistics
History and Civics		
CIVICS:1.Our Constitution 2.Basic features of Our Constitution 3.Fundamental Rights and Duties HISTORY:1.The Harappan Civilization 2.The Vedic Period 3.Jainism and Buddhism 4.The Mauryas 5.The Sangam Age	CIVICS:1.Directive Principles of the State Policy 2.The Election and Election Commission HISTORY:1.The Age of the Guptas 2.The Cholas 3.The Delhi Sultanate 4.The Age of Mughals	CIVICS:1.Local Self Government(Rural) 2.Local Self Government (Urban) HISTORY: 1.The Renaissance 2.The Reformation 3.The Industrial Revolution 4.Emergence of a Composite Culture
Geography		
1.The Earth as a Planet 2.Geographic Grid-Longitudes and Latitudes 3.Rotation and Revolution 4.Earth's Structure 5.Landforms of the Earth 6.Rocks World Map	7.Volcanoes 8.Earthquakes 9.Weathering 10.Denudation 11.Hydrosphere 12.Composition & Structure of the Atmosphere World Map	13.Insolation 14.Atmospheric Pressure and Winds 15.Humidity 16.Pollution(sources, effects and preventive measures) 17.Natural Regions of the World World Map

Physics		
1. Measurements and experimentation 2. Motion in one Dimension 3. Laws of Motion <u>Practicals:</u> 1. To determine the external diameter, Internal diameter and Internal depth of given hollow cylinder with the help of vernier calipers. 2. To determine the diameter of the cylinder with the help of screw gauge 3. To determine the value of acceleration due to gravity with the help of simple pendulum	4. Pressure in fluids and atmospheric pressure 5. Upthrust in fluids, Archimedes principle and floatation 6. Heat and Energy <u>Practicals:</u> 4. To observe the concept of Buoyancy experimentally 5. Demonstration of Barometer	7. Reflection of light 8. Propagation of Sound waves 9. Current Electricity 10. Magnetism <u>Practicals:</u> 6. To determine the focal length of concave and convex mirror 7. Demonstration of no. of image formation when two plane mirrors are kept at different angles 8. Demonstration of formation of Transverse waves 9. Demonstration of different electrical instruments
Chemistry		
1. The Language of Chemistry 2. Chemical changes and reactions 3. Study of Gas laws 4. Atomic Structure and Chemical bonding	1. The Periodic Table 2. Water 3. Practical work	1. Hydrogen 2. Atmospheric Pollution 3. Practical Work
Biology		
1. The Cell 2. Tissues 3. The Flower 4. Pollination and Fertilization 5. Nutrition in Man 6. Nutrition in Animals 7. Aids to health	1. Movements and locomotion 2. The Respiratory System 3. Digestive system of Man 4. Health and Hygiene 5. Waste Management 6. Respiration in Plants PRACTICALS: 1. Specimen of	1. Diversity in living organisms 2. Skin- "The Jack of all Trades" 3. Structure and germination of seeds 4. Economic importance of Bacteria and Fungi 5. Sources of waste 6. Health Organization

<p>PRACTICALS:1.Examination of onion peel</p> <p>2.Cross pollinated flower to be examined and identified</p> <p>3.Human Cheek cell</p>	<p>germinating seed with plumule radicle bean and maize</p> <p>2.Food Test</p>	<p>PRACTICALS:1.Examination and identification of specimens of Porifera,Coelenterata,Annelida, Platyhelmonthes,Arthropoda,Mollusca and Echinodermata</p> <p>2.Experiment to show mechanism of breathing</p> <p>3.Preparation of report from various source of waste/ water treatment plant.</p>
Computer Applications		
<p>1.Operating System</p> <p>2.INTERNET</p> <p>3.Computer Ethics</p> <p>4.Elementary Concepts of JAVA</p>	<p>1.Values and Types in JAVA</p> <p>2.Conditional Statement - if....else -if....else if -nested if</p> <p>3.LOOPS - for -While -do...while</p> <p>4.Programs based on above statements in JAVA</p>	<p>1.LOOPS Cont.-Nested LOOPS</p> <p>2.Programs based on above statements in JAVA</p>
Commercial Applications		
<p>1.Introduction to Commercial Organizations</p> <p>2.Ownership Structures-Sole proprietorship and Joint Hindu Family Business</p> <p>3.Ownership Structures-Partnership</p> <p>4.Ownership Structures-Joint Stock Company</p> <p>5.Ownership Structures-Cooperative Society</p>	<p>6.Public Sector Enterprises</p> <p>7.Functioning of a Commercial Organization</p> <p>8.Communication in a Commercial organization</p> <p>9.Ways of Communication</p> <p>10.Tools of Communication</p>	<p>11.Nature and Terminology of Accounting</p> <p>12.Accounting Records</p> <p>13.Natural Resources</p> <p>14.Depletion of Resources</p> <p>15.Practices for Conservation of Resources</p> <p>16.Industrial Pollution and Degradation of Environment</p>

Hindi

<p><u>साहित्य सागर: गध्य खंड: १) बात</u> अठन्नी की</p> <p>२) काकी</p> <p><u>पद्य खंड: १) साखी</u></p> <p>२) गिरधर की कुण्डलियाँ</p> <p><u>व्याकरण</u> औपचारिक पत्र - १</p> <p>अनौपचारिक पत्र -१</p> <p>निबंध - १</p> <p>अपठित गद्यांश- १-५</p> <p>व्यवहारिक व्याकरण</p>	<p><u>साहित्य सागर: गध्य खंड :</u></p> <p>३) महायज्ञ का पुरुस्कार</p> <p>४) नेताजी का चश्मा</p> <p><u>पद्य खंड :</u></p> <p>३) स्वर्ग बना सकते हैं</p> <p>४) यह जन्मभूमि मेरी</p> <p><u>व्याकरण</u> औपचारिक पत्र - १</p> <p>अनौपचारिक पत्र -१</p> <p>निबंध - १</p> <p>अपठित गद्यांश- ६-१०</p> <p>व्यवहारिक व्याकरण</p>	<p><u>साहित्य सागर: गध्य खंड :</u></p> <p>५) अपना अपना भाग्य</p> <p><u>पद्य खंड :</u></p> <p>५) मेघ आये</p> <p>६) सूर के पद्य</p> <p><u>व्याकरण</u> औपचारिक पत्र - १</p> <p>अनौपचारिक पत्र -१</p> <p>निबंध - १</p> <p>अपठित गद्यांश- - १०-१२</p> <p>पुनरावृत्ति</p>
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