

# D.A.V. MULTIPURPOSE PUBLIC SCHOOL, SECTOR-15, SONEPAT SYLLABUS (2026-2027)

**CLASS : CLASS VIII**

| Subject        | Month        | Chapter No.<br>& Name  | Vocabulary / Terms  |
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| <b>English</b> | <b>April</b> | Chapter No. 1,2,3<br>Literature Reader<br>Name of the Chapter- Three<br>Questions, Granny's Tree<br>Climbing, The Fun They Had | Chapter-1<br>Hermit, moaning, recommenced, intently,<br>threshold, ambush,intently,executed,<br>repented,<br>soaked<br>Chapter-2<br>in a trice, undaunted, chore, sherry, in<br>state,<br>gracefully, outcome, tucked, rescue,<br>terrible,<br>Chapter-3<br>Reading and discussion only |
|                |              | Chapter No. 1<br>English Practice Book<br>Name of the<br>Chapter-Tenses  | All the subject core skills and subskills will<br>be done as per the chapter.   |
|                |              | <b>Chapter No. 1</b><br><b>Reader</b>  | All the subject core skills and subskills will<br>be done as per the chapter.   |

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|  |     | <b>Name of the Chapter-<br/>Changing Times</b>  |   |
|  |     | <b>Activity</b>   | Listening & Speaking activities will be done accordingly.   |
|  | May | Chapter No. -4,5<br><br>Literature Reader<br><br>Name of the Chapter-<br>Father's Help, My Mother | Chapter-4<br><br>Wailed, jutka, stubborn, lurid, apprehensively,<br><br>perjurer, genial, allegations, impulse, bulge,<br><br>Chapter-5<br><br>War days, mosque, distribute, tenderly,<br><br>challenge, toil, merge, transformed, pious, grace |
|  |     | Chapter No. 2,3<br><br>English Practice Book<br><br>Name of the Chapter-<br>Narration, Modals     | All the subject core skills and subskills will be done as per the chapter.  |
|  |     | <b>Chapter No -2<br/>Reader<br/>Name of the<br/>Chapter-Compassionate<br/>Souls</b>               | All the subject core skills and subskills will be done as per the chapter.  |

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|  |             | <b>Activity</b>  | Listening & Speaking activities will be done accordingly.  |
|  |             | <b>U.T.1<br/>(11th May)</b>  | Literature Reader Chapter-1,2<br>English Practice Book- Chapter-1  |
|  | <b>June</b> | <b>Summer Break</b>  |  |
|  | <b>July</b> | Chapter No.- 6<br>Literature Reader<br>Name of the Chapter-The Luncheon  | Chapter-6<br>Beckoning, senators, imposing, startled, salmon,<br>caviare, effusive, champagne, asparagus, mortifying |
|  |             | Chapter No. 4,5,6,7<br>English Practice Book<br>Name of the Chapter-Subject-Verb Agreement, Clauses and Complex Sentences, Linkers, Active and Passive Voice | All the subject core skills and subskills will be done as per the chapter.   |
|  |             | Chapter No -3<br>Reader<br>Name of the   | All the subject core skills and subskills will be done as per the chapter.   |

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|  |                  | Chapter-Enterprise                         |   |
|  |                  | <b>Activity</b>                            | Listening & Speaking activities will be done accordingly.   |
|  |                  | <b>U.T. 2<br/>(13th July)</b>              | Literature Reader Chapter- 4,5<br>English Practice Book Chapter- 2  |
|  | August           |  | Notice Writing  |
|  |                  |  | E -mail Writing, informal letter writing  |
|  |                  |  | Article Writing and revision  |
|  |                  | <b>Activity</b>                            | <b>Listening &amp; Speaking activities will be done accordingly.</b>  |
|  |                  | <b>Half Yearly Syllabus</b>                | Literature Reader Chapter- 1 to 6<br>English Practice Book- Chapter 1 to 6<br>Reader Unit- 1 to 3<br>Writing Skills-Notice, Email, Article<br>Unseen Passages |
|  | <b>September</b> | <b>Half Yearly Exam<br/>14th September</b> |   |
|  |                  | Chapter No. - 7,8<br>Literature Reader     | Chapter-7<br>Undefined, yoke, uncowed, steadfastness,   |

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|  | <b>October</b> | Name of the Chapter- The Children's Song, The Case of Sharp Eyed Jeweller   | maimed, distress, favour, thee, worthless,pledge<br><br>Chapter-8<br><br>undertaker, yankee, filigree,trinkets, turquoise,<br><br>calm, turn-ups, counter, frightened, gasped            |
|  |                | <u>Chapter No. -8.9</u><br><u>English Practice Book</u><br><u>Name of the Chapter-Non-Finites.</u><br><u>Punctuation</u>  | All the subject core skills and subskills will be done as per the chapter.   |
|  |                | Chapter No -4<br><br>Reader<br><br>Name of the Chapter-Nature<br><br>Chapter No.<br><br>-9,10<br><br>Literature Reader<br><br>Name of the Chapter-Couplets, The Undeserved Reward | Chapter-9<br><br>Leans, contest, modes of faith, zealots, charity,<br><br>concern, administered, judgments, disagree,<br><br>faith<br><br>Chapter- 10<br><br>Reading and discussion only |
|  |                | <b>Activity</b>   | Listening & Speaking activities will be done accordingly.  |

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|  |                 | <b>U.T.3</b><br><b>(21st October)</b>  | Literature Reader Chapter- 6, 7, 8  |
|  | <b>November</b> | Chapter No. -10<br>English Practice Book<br>Name of the Chapter-<br>Reading For Understanding<br>Chapter No -5<br>Reader<br>Name of the Chapter-Sports | All the subject core skills and subskills will be done as per the chapter.  |
|  |                 | Chapter No-11,12<br>Literature Reader<br>Name of the<br>Chapter-Bangle Sellers, A<br>Bad Dream   | Chapter-11<br>Tinted, limpid, radiant, hue,<br>flushed,tranquil,<br>glory, delicate, bloom, stream,<br>Chapter-12<br>resign, assistant, customers, perhaps,<br>trouble,clever, disturb, cashier, almost,<br>forgotten |
|  |                 | Writing Skills<br>Chapter No -6<br>Reader<br>Name of the<br>Chapter-Tolerance  | Dialogue completion, Formal Letter Writing  |

|              |                 | <b>Activity</b>  | Listening & Speaking activities will be done accordingly.  |
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|              | <b>December</b> | REVISION   |  |
|              |                 | <b>U.T. 4</b><br><b>(2nd December)</b>   | Literature Reader Chapter- 9, 11,12<br>English Practice Book Chapter-7,8   |
|              | <b>January</b>  | Revision<br><br>*Note- One sound per week,reading think marks and grammar in context will be done while reading the chapters throughout the session. |  |
|              | <b>February</b> | Final Exam   | Syllabus -As shared with the students in the syllabus booklet by DAVCAE  |
|              | <b>March</b>    | Final Exam   |  |
| <b>Hindi</b> | <b>April</b>    | पाठ 1<br>हम पंछी उन्मुक्त गगन के   | सूचक शब्द<br>अनुस्वार अनुनासिक नुक्ता, रेफऔर पदेन आदि चिन्हों का प्रयोग जिन-जिन शब्दों में किया जाता है ,ऐसे पांच पांच शब्द छांट कर लिखिए। |
|              |                 | पाठ 2<br>असल धन  | स्थिति ,दुर्भाग्य मालिन अधखिला ,सामाजिक बचपन ,दुर्ल ,निर्भय, लिखावट, चमकीला ।  |

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|  |     | <p>पाठ 3<br/>अच्छे पड़ोसी के गुण</p> <p>पाठ 4<br/>दोपहरी</p> <p>+अभ्यास सागर पाठ 1 ,2 ,3 ,4</p> | <p>आश्वस्त, दरियाफ्त, शाश्वत, प्राण चिरैया, संक्रामक,अंतर्ध्यान, संत्रास, गंभीरता , सिलसिला सुशोभित  </p> <p>सदाचारी ,अनंत,कवयित्री, उपयुक्त, क्षणभंगुर ,अनुकरणीय ,निरपराध, स्वयंभू ,दर्शनीय ,अतुलनीय  </p> |
|  |     | संवाद लेखन  |   |
|  |     | <b>Activity</b>   |   |
|  | May | <p>पाठ 6<br/>आश्रम के अतिथि और संस्मरण</p>  | <p>निर्देशक चिह्न, कोष्ठक,, लाघव चिन्ह ,दोहराउद्धरण, संस्मरण ,अचरज ,चिट्टियां , अहिंसक ,प्रतिकृति ,सार्वजनिक, प्रायश्चित , साबरमती ,इजाजत ,कर्मयोगी</p>   |
|  |     | <p>पाठ 7<br/>अन्याय के खिलाफ लड़ाई</p>  | <p>अत्याचार, पगडंडियों, तरकीब, कोशिश ,आदिवासियों ,मशहूर, सहयोग संकरी, आत्मसमर्पण ,मिसाल</p>   |
|  |     | <p>पाठ 8 दोहे</p>   | <p>तैसाई, बिगरी, पायन, साँचे, बानिक, मुक्ताहार, सुजन , सहाय, स्वाति, म्यान</p>  |
|  |     | <p>अभ्यासागर पाठ 6,7 और 8+<br/>अनौपचारिक पत्र</p>   |   |
|  |     | <b>Activity</b>   |   |
|  |     | <p><b>U.T.1</b><br/><b>(11th May)</b></p>   | <p>पाठ 1 हम पंछी उन्मुक्त गगन के<br/>पाठ 2 असलधन</p>  |

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|  | <b>June</b>      | <b>Summer Break</b>                              |   |
|  | <b>July</b>      | पाठ 10 बातचीत की कला                             | हृदयंगम, दृष्टिगोचर, लाभान्वित, सिद्धांतों ,भावमणियों,असहिष्णुता , वैमनस्यता, सर्वसुखकारी आत्म चिंतन, आत्मा शोध |
|  |                  | पाठ 11 सितारों से आगे                            | आत्मसात, निकेतन, रूढियो, उत्साहित, प्रोत्साहन, अभिव्यक्ति, पाठ्यक्रम, परिवेश, विश्वविद्यालय, गुरुत्वाकर्षण      |
|  |                  | अभ्याससागर पाठ 7, 8, 10, 11                      | सुचना लेखन  |
|  |                  | <b>Activity</b>                                  |   |
|  |                  | <b>U.T. 2</b><br><b>(13th July)</b>              | पाठ - 4 दोपहरी<br>पाठ - 7 अन्याय के खिलाफ लड़ाई   |
|  | <b>August</b>    | अनुच्छेद, औपचारिकपत्र, संधि                      | यदि मैं पक्षी होता विषय पर अनुच्छेद लिखे  |
|  |                  | दोहराई कार्य                                     |   |
|  |                  | दोहराई कार्य                                     |   |
|  |                  | <b>Activity</b>                                  |   |
|  |                  | <b>Half Yearly Syllabus</b>                      | अप्रैल से लेकर अगस्त तक का सारा पाठ्यक्रम   |
|  | <b>September</b> | <b>Half Yearly Exam</b><br><b>14th September</b> |   |

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|  | <b>October</b>  | पाठ 12 पोधे के पंख                             | ताज्जुब, खिलखिला, अनसुना, अनाड़ीपन, सोहबत, झुंझलाहट, कचहरी, एकलौता, तैयारिया, अशिष्ट   |
|  |                 | पाठ 13 सूर और तुलसी के पद                      | आश्चर्य, एजेंट, चिंता, ईर्ष्या, निषेध वाचक, विस्मयादी, भगवत भक्ति, संरक्षक, अनुत्तीर्ण   |
|  |                 | पाठ 15 काम चोर<br>अभ्याससागर पाठ 12, 13, 15    | चंद्रशेखर, अंतर्विरोध, जीवन, पर्यत, भविष्य, अनुत्तीर्ण, पुलकित, साहसिक, शुद्धता, मर्यादित, श्रद्धांजलि   |
|  |                 | <b>Activity</b>                                |  |
|  |                 | <b>U.T.3</b><br><b>(21st October)</b>          | पाठ 12 पोधे के पंख<br>पाठ 15 काम चोर<br>व्याकरण  |
|  | <b>November</b> | पाठ 17 सोना                                    | यदि आप सोना के स्थान पर होते, तो महादेवी के जाने के बाद आपकी स्थिति कैसी होती? आप कैसा अनुभव करते? उसे अपने शब्दों में एक अनुच्छेद के रूप में लिखिए। |
|  |                 | पाठ 18 निर्माण                                 | निषेध, परिषद, सुषुप्त, विषम, अभिषेक, निषिद्ध, तृष्णा, धनेष्णा, संघात, वाग्व्यापार, सुखानुभूति, ब्रह्मर्षि  |
|  |                 | पाठ 19 जीवन का सच<br>अभ्याससागर पाठ 17, 18, 19 | प्रस्तुत पाठ में से 10-10 ऐसे शब्द छांटिए, जिनके आप विलोम (विपरीत शब्द) लिख सके।   |
|  |                 | <b>Activity</b>                                |  |
|  | <b>December</b> | REVISION                                       |  |

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|                    |                 | <b>U.T. 4</b><br><b>(2nd December)</b> | प्री बोर्ड<br>अप्रैल से लेकर दिसंबर तक का सारा पाठ्यक्रम  |
|                    | <b>January</b>  | Revision                               |   |
|                    | <b>February</b> | Final Exam                             |   |
|                    | <b>March</b>    | Final Exam                             |   |
| <b>Mathematics</b> | <b>April</b>    | <b>Ch1 Squares and square roots</b>    | <p>Perfect square</p> <ul style="list-style-type: none"> <li>● Non- square number</li> <li>● Pythagorean triplet</li> <li>● Square root</li> <li>● Repeated subtraction</li> <li>● Prime factorisation</li> <li>● Long division</li> <li>● Terminating decimals</li> <li>● Square root of not perfect squares by estimation</li> </ul> <p><b>Activity :Square root “Bingo” 3 X 3 grid</b></p>   |
|                    |                 | <b>Ch2 Cubes and cube roots</b>        | <ul style="list-style-type: none"> <li>● An integer n is a perfect cube if there is an integer m such that <math>n = mx \times m \times m</math></li> <li>● Properties of cubes of numbers</li> <li>● Some patterns involving cubic numbers</li> <li>● Cube root by</li> </ul> <p style="text-align: center;">Prime factorisation</p> <p style="text-align: center;">By estimation</p> <p><b>Activity: The mystery of the taxi cab number 1729 (Hardy and Ramanujan number)</b></p> |

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|  | May         | <b>Ch 3 Exponents and radicals</b>               | <ul style="list-style-type: none"> <li>• Index of a radical</li> <li>• Laws of rational exponents</li> </ul> <b>Activity: Solve " Anagram"</b>  |
|  |             | <b>Ch4 Direct and inverse variation</b>          | <ul style="list-style-type: none"> <li>• Variation</li> <li>• Types of variation - 1) direct variation 2) inverse variation</li> <li>• Time and work, time and distance</li> <li>• Constant</li> </ul> <b>Activity: Real "world hunt" look around in your surrounding and categorised into direct and inverse variation</b> |
|  |             | <b>Ch5 Profit ,loss and discount (continued)</b> | <ul style="list-style-type: none"> <li>• Cost price</li> <li>• Selling price</li> <li>• Profit</li> <li>• Loss</li> <li>• Profit percent</li> <li>• Loss percent</li> </ul> <b>Activity:Draw concept cartoon</b>  |
|  |             | <b>U.T.1<br/>(11th May)</b>                      | <b>Ch 1 Squares and square root<br/>Ch2 Cubes and cube roots</b>  |
|  | <b>June</b> | <b>Summer Break</b>                              |   |
|  | July        | <b>Ch5 Profit ,loss and discount</b>             | <ul style="list-style-type: none"> <li>• Marked price</li> <li>• Discount</li> <li>• Discount percent</li> </ul> <b>Activity: solving the real world life problem like banking, budget and business</b>   |
|  |             | <b>Ch6 Compound interest</b>                     | <ul style="list-style-type: none"> <li>• Principal</li> <li>• Rate of interest</li> <li>• Simple interest</li> <li>• Amount</li> <li>• Compound interest</li> <li>• Compounded half yearly</li> </ul>   |

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|  |        |  | <ul style="list-style-type: none"> <li>• Compounded Quarterly</li> <li>• Growth and depreciation</li> </ul> <p><b>Activity: Solving the real world life problem for example banking, budget etc.</b></p>  |
|  |        | <b>UT2(13 july)</b>                    | Ch5 Profit, Loss and discount   |
|  | August | <b>Ch 7 Algebraic identities</b>       | <ul style="list-style-type: none"> <li>• Identities</li> <li>• Factorisation of algebraic expressions</li> </ul> <p>- by using identities<br/>- by splitting the middle term</p> <p><b>Activity: To verify the identity <math>(a + b)^2</math> by paper cutting and pasting</b></p>   |
|  |        | <b>Ch 13 Introduction to graphs</b>    | <ul style="list-style-type: none"> <li>• Linear graph</li> <li>• Cartesian plane</li> <li>• Construction of graphs</li> </ul> <p><b>Activity : Coordinates methabola</b></p>  |
|  |        | <b>Ch15 Statistics and probability</b> | <ul style="list-style-type: none"> <li>• Raw data</li> <li>• Presentation of data</li> <li>• Range</li> <li>• Frequency distribution table</li> <li>• Use of tally marks</li> <li>• Grouping of data</li> <li>• Graphical method of representing data</li> </ul> <p>-bar graph</p> <p>-histogram</p> <p>-circle graph or pie chart</p> <ul style="list-style-type: none"> <li>• Drawing a pie chart</li> <li>• Probability- experimental approach to probability</li> <li>• Probability of an event</li> <li>• Something about playing cards</li> </ul> |

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|  |                  |  | <b>Activity: Do survey of height of family members and draw bar graph</b>  |
|  |                  | <b>Activity</b>                                  |  |
|  |                  | <b>Half Yearly Syllabus</b>                      |  |
|  | <b>September</b> | <b>Half Yearly Exam</b><br><b>14th September</b> |  |
|  | <b>October</b>   | <b>Ch8 Polynomials</b>                           | <ul style="list-style-type: none"> <li>• Polynomial</li> <li>• Terms in polynomial</li> <li>• Degree of polynomial</li> <li>• Division of polynomial -<br/>By a monomila<br/>By a binomial</li> <li>• Long division method</li> <li>• Division algorithm</li> </ul> <b>Activity: Anagram</b> |
|  |                  | <b>Ch9 Linear equations in one variable</b>      | <ul style="list-style-type: none"> <li>• Solving the given equations by cross multiplication</li> <li>• Applications of linear equations</li> </ul> <b>Activity : solving real life problem for example train ,boat and age.</b>   |
|  |                  | <b>Ch10 Parallel lines</b>                       | <ul style="list-style-type: none"> <li>• Parallel lines</li> <li>• Distance between parallel lines</li> <li>• Lines parallel to a given line</li> <li>• Types of angles formed by parallel lines and transversal</li> </ul> <b>Activity: puzzle “Kitty parallel path”</b>                    |
|  |                  | <b>U.T.3</b><br><b>(21st October)</b>            | <b>Ch8 Polynomials</b><br><b>Ch9 Linear equations in one variable</b>  |
|  |                  | <b>Ch11 Understanding quadrilaterals</b>         | <ul style="list-style-type: none"> <li>• Open curves and closed curves</li> <li>• Types of polygon</li> <li>• Adjacent sides ,vertices and diagonals of a polygon</li> <li>• Interior and exteriors of a curve</li> </ul>  |

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|                | <b>November</b> |  | <ul style="list-style-type: none"> <li>• Convex and concave polygons</li> <li>• Regular polygons</li> <li>• Angle sum property of quadrilateral</li> <li>• Properties of trapezium, rhombus, rectangle and parallelogram</li> </ul> <b>Activity: to verify angle sum property of triangle by paper cutting and pasting</b>  |
|                |                 | <b>Ch14 Mensuration</b>                  | <ul style="list-style-type: none"> <li>• Area of a trapezium</li> <li>• Area of a general quadrilateral</li> <li>• Area of polygon</li> <li>• Surface area of cuboid, cube and cylinder</li> <li>• Volume of cuboid, cube and right circular cylinder</li> </ul> <b>Activity: draw the net of cuboid, cube and cylinder</b> |
|                | <b>December</b> | REVISION                                 |   |
|                |                 | <b>U.T. 4<br/>(2nd December)</b>         | <b>Ch11 Understanding quadrilaterals</b><br><b>Ch14 Mensuration (WS 1,2,3)</b>  |
|                | <b>January</b>  | Revision                                 |   |
|                | <b>February</b> | Final Exam                               |   |
|                | <b>March</b>    | Final Exam                               |   |
| <b>Science</b> | <b>April</b>    | Ch -1 Cell - Its structure and functions | → Cell- basic structural and functional unit of life.<br>→ Cell membrane- a thin membrane that surrounds the protoplasm of every cell<br>. → Cell organelles -a specialised sub-unit, within a cell, that has a specific function.<br>chromosomes thread-like structures found  |

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|  |  |  | <p>in the nucleus; responsible for the inheritance of characters.</p> <ul style="list-style-type: none"><li>→ Cytoplasm- portion of protoplasm, lying between the cell membrane and the nuclear membrane.</li><li>→ Cilia and flagella- extensions on the cell membrane, these help in locomotion and procurement of food in organisms like Amoeba and Paramecium.</li><li>→ Endoplasmic reticulum- network of membranes which provides channels for transport of materials in the cell and helps in synthesis of proteins.</li><li>→ genes- unit of inheritance which gets transferred from one generation to the next</li><li>→ golgi complex- sac-like structures; these help in processing and packaging of materials produced by the cell.</li><li>→ mitochondria- rod-shaped structures inside a cell; these help in cellular respiration and production of energy.</li><li>→ Nucleus- a specialised structure in the cells, bound by the nuclear membrane; responsible for controlling all cellular activities.</li><li>→ plastids- cell organelles found in plant cells. These may contain pigments which help in photosynthesis and are responsible for imparting colour to fruits, vegetables and flowers.</li><li>→ protoplasm- gel-like living matter present inside the cell membrane.</li><li>→ ribosomes- tiny granular structures found in the cytoplasm and on the</li></ul> |
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|  |  |   | <p>endoplasmic reticulum; they help in protein synthesis.</p> <p>→ tissue- group of cells performing a specialised function.</p> <p>→ vacuole -sac-like membrane bound structures in cells; used for storing various materials.</p>   |
|  |  | <p>Ch-2 Microorganisms ( friends&amp; foes)</p> | <p>antibiotic- chemicals produced by microorganisms that kill, or inhibit, the growth of other harmful microorganisms.</p> <p>→ antibody- proteins produced by special kind of blood cells to identify and destroy microbes, like bacteria, viruses, etc.</p> <p>→ bioaugmentation- using bacteria in treatment of sewage and industrial waste</p> <p>→ Biogeochemical cycle- a pathway for cycling of nutrients between the abiotic (air, water,soil) and biotic (plants, animals, microorganisms) components of the ecosystem.</p> <p>→ Communicable disease- a disease which spreads from an infected person to a healthy person.</p> <p>→ fermentation- an anaerobic process through which sugars/carbohydrates are converted into alcohol/acids and carbon dioxide by microorganisms, like yeast.</p> <p>→ germs/ pathogens- disease causing microorganisms.</p> <p>→ immunity- ability of an organism to resist an infection.</p> <p>→ microbiology- the study of microorganisms.</p> |

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|  |     |                       | <p>→ pasteurisation- a method of preserving milk by heating it to 72°C followed by quick cooling.</p> <p>→ rancid- an unpleasant taste or odour (of food containing fats and oils) caused by chemical changes, or decomposition.</p> <p>→ toxin- a poisonous substance produced by living organisms.</p> <p>→ vaccine- a suspension of killed, or weakened, microorganisms, administered to increase protection against a disease, i.e. to bolster immunity.</p>   |
|  |     | <b>Activity</b>       | <p>Ch -1 Microscopic examination of onion peel cells</p> <p>Ch-2 Observation of fungal growth on bread</p>   |
|  | May | Ch-4 force & pressure | <p>→ atmospheric pressure -Force per unit area, exerted on a given surface by the weight of the air above the surface.</p> <p>→ balanced forces -it is defined as the force per unit area, exerted on a give surface, by the weight of the air above the surface.</p> <p>→ contact force- the force which acts only when objects are in physical contact with each other.</p> <p>→ electric force -force exerted by a charged body on another charged body.</p> <p>→ Force a push or pull upon an object; it results from its interaction with another object.</p> <p>→ frictional force- force between two surfaces in contact; it (usually) acts opposite to the direction of motion.</p> <p>→ gravitational force- the force of attraction between two objects due to their masses.</p> <p>→ hydrostatic pressure- pressure exerted by a stationary liquid.</p> |

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|  |  |                | <ul style="list-style-type: none"> <li>→ magnetic force- force of interaction between a magnet and another (suitable) object/magnet.</li> <li>→ muscular force- force exerted by the action of muscles in the body of living beings.</li> <li>→ non-contact force- the force of interaction which acts on an object without its having any direct physical contact with another body.</li> <li>→ Pressure- the perpendicular force (thrust) acting per unit area of the surface.</li> <li>→ Thrust- the force acting on a surface in a direction perpendicular to the surface.</li> <li>→ unbalanced forces- unequal forces acting on a given object; their resultant force is non-zero.</li> </ul>  |
|  |  | Ch -5 friction | <ul style="list-style-type: none"> <li>→ air resistance -the frictional force exerted by air against a moving object.</li> <li>→ ball bearings- small metal balls, that when placed between the moving parts of a machine, help to reduce friction; this results in a very much smoother motion of such parts.</li> <li>→ Fluid -a substance (like a liquid) that can flow easily; it has no fixed shape. It takes the shape of its container.</li> <li>→ fluid friction/drag - the frictional force, exerted by fluids, against a moving object.</li> <li>→ Friction - a force that opposes any relative motion between the surfaces of two objects in contact. → limiting force of friction -maximum value of the force of friction between two surfaces (in contact with each other) that comes into play just before the onset of a relative motion between them.</li> <li>→ Lubricants - a substance which can reduce the force of friction between the two surfaces in contact.</li> <li>→ rolling friction -the force of friction resisting the (rolling) motion when a body rolls on a surface.</li> </ul> |

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|  |             |                                   | <p>→ sliding friction - the friction that acts between an object and a surface when the object is sliding over that surface.</p> <p>→ static friction - the self-adjusting (up to a limit) force of friction that exists between a stationary object and the surface on which it has been kept.</p> <p>→ streamline flow -a systematic regular flow of a fluid in which all the particles, that pass any given point, follow the same path with the same speed.</p> <p>→ streamlined shape -a special shape that lowers the frictional drag between a fluid and an object moving through that fluid.</p> |
|  |             | <b>Activity</b>                   | <p>Ch-4 Demonstration of liquid pressure variation with depth (Using a plastic bottle with holes at different Heights to show that water pressure increases as you go deeper )</p> <p>Ch -5 Comparative study of sliding and rolling friction</p>  |
|  |             | <b>U.T.1</b><br><b>(11th May)</b> | <p>Ch-1 Cell - its structure and functions</p> <p>Ch-2 Microorganisms (friends &amp; foes)</p>   |
|  | <b>June</b> | <b>Summer Break</b>               |  |
|  | <b>July</b> | Ch-3 metals and non metals        | <p>Alloy- a homogenous mixture of two or more metals, or a metal and a non-metal.</p> <p>→ Conductivity- the ability of a material to transfer heat energy, or electrical current, from one point to another.</p> <p>→ Ductility -the property of metals due to which they can be drawn into thin wires.</p>   |

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|  |  |                        | <p>→ Malleability- the property of metals due to which they can be hammered into thin sheets.</p> <p>→ Metalloid - elements which show (some) properties of metals as well as non-metals.</p> <p>→ Metallurgy- the sequence of processes used to extract a metal from its ore in its pure form.</p> <p>→ Mineral - a natural occurring inorganic substance found deep under the surface of earth.</p> <p>→ noble metals- those metals which are least reactive and so are not chemically affected by the substances around them.</p> <p>→ Ore - it is a mineral from which one, or more, metals can be extracted.</p> <p>→ Reactivity- the tendency of an element to react with other substances to form compounds.</p> <p>→ Reactivity series- the series of metals arranged in the order of their decreasing reactivity.</p> <p>→ Sonorosity- the property of metals to produce sound when struck with something hard.</p> <p>→ Tensile strength- the property, due to which a substance can bear a lot of strain, without breaking.</p> |
|  |  | Ch-6 sources of energy | <p>→ Carbonisation- It is the process of conversion of dead plant material into coal.</p> <p>→ destructive distillation- It is the process of strong heating of coal in the absence of air</p> <p>→ Fuels- Substances which produce heat on burning in air</p>   |

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|  |  |                 | <ul style="list-style-type: none"> <li>→ fossil fuels- fuels formed, from dead plant and animal matter buried deep under the surface of earth, over a period of millions of years.</li> <li>→ non-renewable energy resource- energy resource which, after getting used up, cannot be replaced in a short period of time. → Renewable energy resource- Energy resource which gets replaced naturally in a short period of time.</li> <li>→ Refining of petroleum- Separating different components of Petroleum into their various useful forms.</li> </ul>  |
|  |  | Ch-7 Combustion | <ul style="list-style-type: none"> <li>→ calorific value of a fuel- the amount of heat energy, produced on complete burning of one kilogram, of a given fuel, in pure oxygen.</li> <li>→ Combustion- burning of a substance in the presence of oxygen to produce heat and light. → combustible material- a material, which on heating in the presence of air (or oxygen), catches fire easily and produces heat and light energy.</li> <li>→ explosive combustion -complete and uncontrolled combustion of a substance within a short span of time</li> <li>→ Flame- the region of burning gases.</li> <li>→ ignition (or kindling) temperature- the minimum temperature at which a given substance begins to burn.</li> <li>→ innermost zone of a candle flame- the zone of unburnt wax vapours, given off by the molten wax.</li> <li>→ middle or luminous zone of a candle flame- the zone where there is a partial combustion of wax vapours with liberation of energy.</li> <li>→ outermost or non-luminous zone of a candle flame- the zone of complete combustion, of wax vapours and carbon particles, that is the hottest part of the flame.</li> <li>→ rapid combustion- when a substance burns at a fast rate to produce heat.</li> </ul> |

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|  |        |                                     | <p>→ spontaneous combustion- when a combustible substance catches fire, on its own, even at room temperature.</p>  |
|  |        | <b>Activity</b>                     | <p>Ch- 3 Burning of magnesium ribbon and non metal dissolving the ash or fumes in water and testing with Litmus Paper<br/> Ch -6 Identifying the physical properties and industrial uses of substances like coke, coal tar, coal gas<br/> Ch-7 Demonstration of ignition temperature using paper cups</p>  |
|  |        | <b>U.T. 2<br/>(13th July)</b>       | <p>Ch -4 force &amp; pressure<br/> Ch-5 friction</p>   |
|  | August | Ch-13 Synthetic fibres and plastics | <p>→ Biodegradable- a material which gets decomposed through a natural process (such as action of bacteria).<br/> → Monomer- the smaller basic molecule in a polymer.<br/> → natural fibres - fibres that are obtained from plants and animals. →<br/> Non-biodegradable- materials which do not decompose through natural processes; they take a very long time to degrade.<br/> → Polymer- a long chain molecule formed by joining of a large number of monomers<br/> → regenerated fibre- fibres obtained by processing natural fibres.<br/> → synthetic fibres- fibres that are man-made' by using chemical processes.<br/> → tensile strength- the limit, to which a synthetic fibre, or plastic (material) can withstand, an external force without breaking.<br/> → thermoplastics-plastics formed by linear arrangement of monomers.<br/> → thermosetting plastics- plastics made by cross-linked arrangements of monomers</p> |

CH-16 electric current and its effect

- Anode- the positive terminal of the cell or battery. It is also the electrode which is connected to the positive terminal of the cell (or the battery) in an electrolysis (or similar) experiment
- Cathode- the negative terminal of the cell or battery. It is also the electrode which is connected to the negative terminal of the cell (or battery) in an electrolysis (or similar) experiment.
- chemical effect of current- the phenomenon of causing chemical change, in an ionic solution, by passing electricity.
- distilled water- chemically pure water.
- Electrorefining- the method of purification of metals by using electricity.
- Electrolyte- a conducting ionic solution.
- electromagnetic induction- the production of electricity (electric current), by a changing magnetic field.
- Electroplating- the process of depositing a thin layer of some desired metal, over some other metallic object, with the help of an electric current.
- Electrodes- a metal (either in form of rod/plate) through which an electric current enters, or leaves, an electric cell for a specific electrolysis (or similar) experimental set-up.
- Ion- an 'atom' that has become electrically charged because of the loss of one or more of its electrons.
- voltaic cell- a device (designed by the Italian Scientist, Alessandro Volta) that converts chemical energy into electrical energy.
- strong electrolytes- electrolytes that ionise completely to form free mobile ions in the solution.
- weak electrolytes- electrolytes that ionise only partially to form free mobile ions in the solution.

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|  |                  | <b>Activity</b>                                  | Ch -13 Observing the effect of heat on plastic bottle (deforms )versus a plastic handle of a cooker (does not deform)<br>Ch - 16 testing liquid conductivity   |
|  |                  | <b>Half Yearly Syllabus</b>                      | Ch -1,2,3,4,5,6,7,13   |
|  | <b>September</b> | <b>Half Yearly Exam</b><br><b>14th September</b> |  |
|  | <b>October</b>   | Ch -10 Refraction and dispersion of light        | <p>→ absolute refractive index- the ratio of the speed of light in vacuum (or free space) to the speed of light in the given medium.</p> <p>→ centres of curvature- the centres, of the two spheres of which the two surfaces of the given lens, are a part.</p> <p>→ concave lens- a lens (made by joining the parts of two spherical surfaces) 'that is thinner in the middle than at the edges. It diverges the incident (parallel) rays away from its principal axis.</p> <p>→ convex lens- a lens (made by joining the parts of two spherical surfaces) 'that is thicker in the middle than at the edges'. It converges the incident (parallel) rays towards its principal axis.</p> <p>→ dispersion of light- the 'splitting' of white light into its component (seven) colours.</p> <p>→ focal length- the distance between the optical centre and principal focus of the lens.</p> <p>→ glass prism- a prism is a piece of transparent material bounded by two plane surfaces inclined at an angle.</p> <p>→ (rectangular) glass slab- a cuboidal piece of glass.</p> <p>→ Lens- a transparent medium, bounded by two surfaces, of which at least one is spherical.</p> <p>→ optical centre- the special point, on the principal axis of a lens, through which light</p> |

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|  |  |                 | <p>passes without undergoing any 'bending, or 'deviation'.</p> <p>→ optical density- the physical quantity which is an indicator of the speed of light through a given medium.</p> <p>→ principal axis- the line joining the centres of curvatures of the two (spherical) surfaces of a lens. → principal focus (second)- a point on the principal axis, where all the rays incident parallel to principal axis actually meet (convex lens), or appear to meet, (concave lens), after refraction through the given lens.</p> <p>→ radii of curvature- the radii of the two spheres, of which the lens surfaces are a part of.</p> <p>→ refraction of light -the phenomenon associated with the change in the speed of light as it goes from one transparent medium into another. It is usually observed as the change in the direction of propagation of (an obliquely) incident light ray when it passes from one optically transparent medium to another.</p> <p>→ Rainbow- a natural phenomenon associated with the dispersion of sunlight by water droplets, suspended in air; it may be observed when the sun 'comes out' after a rainfall.</p> <p>→ relative refractive index - the ratio of the speed of light in medium 1 to the speed of light in medium 2.</p> |
|  |  | Ch-11 Human eye | <p>→ aqueous humor- a liquid that fills the space between the cornea and the eye lens of the eye.</p> <p>→ blind spot- a point on the retina which is insensitive to light.</p> <p>→ Braille- a form of written language for visually challenged persons. In Braille the characters are represented by patterns of raised dots that can be felt with the fingertips.</p>   |

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|  |  |  | <ul style="list-style-type: none"><li>→ Cataract- loss of transparency of the eye lens due to development of an opaque membrane over it.</li><li>→ ciliary muscles- the flexible muscles which enable the eye lens to change its shape for (clearly) seeing objects at different distances.</li><li>→ cones/cone cells- the cone-shaped cells, present in the retina of human eye, are responsible for colour vision. They function best in relatively bright light.</li><li>→ Cornea- the clear protective outer layer of the eye.</li><li>→ eye lens- a convex lens made up of transparent crystalline layers.</li><li>→ Hypermetropia- the defect of human eye in which a person cannot see nearby objects clearly but can (clearly) see distant objects.</li><li>→ Iris- a dark coloured muscular diaphragm which controls and regulates the amount of light entering the eye. It does so by adjusting the size of the pupil.</li><li>→ least distance of distinct vision/near point- the minimum distance, at which objects can be seen distinctly without strain.</li><li>→ Myopia- the defect of human eye due to which a person cannot see distant objects clearly, but can see nearby objects clearly</li><li>→ optic nerve- the nerve which transmits the image formed (or visual information) on the retina to the brain in the form of electrical signals.</li><li>→ persistence of vision- the ability of the human eye to continue to see the image of an object for a very short duration even after the object has disappeared from the view.</li><li>→ power of accommodation- a special ability of the eye; the ciliary muscles of the eye change the focal length of an eye lens to focus distant, as well as nearby objects, clearly on the retina.</li></ul> |
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|  |                 |                                       | <p>→ Pupil- the opening in the centre of the iris. It appears black as no light is reflected from it.</p> <p>→ Retina- the light sensitive screen of the human eye on which the image is formed. It contains two types of photosensitive cells called the 'rods' and the 'cones'.</p> <p>→ rods/rod cells- the rod shaped cells present on the retina of the human eye; they are sensitive to the amount of light energy falling on the retina; they can function even in quite dim light.</p>  |
|  |                 | <b>Activity</b>                       | <p>Ch-10 Dispersion of light using a glass prism</p> <p>Ch -11 Identifying and labelling parts of human eye</p>   |
|  |                 | <b>U.T.3</b><br><b>(21st October)</b> | Ch- 10 Refraction and dispersion of light   |
|  | <b>November</b> | CH 12 Sound                           | <p>→ Amplitude- the maximum displacement of a vibrating body on either side of its central/mean position.</p> <p>→ audible sound- sound that can be heard/is 'hearable'.</p> <p>→ Frequency- the number of cycles of vibrations in one second. → hertz (Hz)- it is the SI unit of frequency. One hertz equals one cycle of vibration per second.</p> <p>→ Infrasonics- sound with a frequency below the lower limit of the range of human hearing (frequency less than 20 Hz).</p> <p>→ Larynx- a tube shaped organ in the neck, forming an air passage to lungs and holding the vocal cords in place, in human beings. → Loudness- the 'sensation', produced in the human ear, which helps to distinguish between the 'impact' of different sounds on the drum of the human ear.</p> <p>→ Noise- an unpleasant and unwanted sound.</p> |

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|  |  |                               | <ul style="list-style-type: none"> <li>→ Pitch- a characteristic of sound which helps in differentiating a shrill sound from a flat sound.</li> <li>→ Shrill- sharp and high pitched sound.</li> <li>→ Sound- a form of energy which produces the sensation of hearing in humans and animals.</li> <li>→ Syrinx- the name given to the vocal organ of the birds.</li> <li>→ time period- the time taken by a vibrating body to complete one vibration (or time taken for one complete cycle of vibration about a given mean point.)</li> <li>→ Ultrasonic- sound with a frequency above the range (greater than 20 kHz) of human hearing.</li> <li>→ Vibration- 'to and fro, or 'back and forth', motion.</li> </ul>   |
|  |  | Ch-14 Reproduction in animals | <ul style="list-style-type: none"> <li>→ Asexual reproduction- production of young ones by a single parent; does not involve any fusion of gametes</li> <li>→ binary fission- an asexual mode of reproduction where a parent cell divides into two daughter cells; each of these has the potential of growing into an individual.</li> <li>→ budding-formation of a new individual from an outgrowth, or a bud, arising on the parent body.</li> <li>→ Embryo- early developmental stage of an unborn organism.</li> <li>→ external fertilisation- fusion of sperm and egg outside the body of the female parent.</li> <li>→ Fertilisation- the process of fusion of a male and female gamete that leads to the formation of a zygote.</li> <li>→ Foetus- later stage of development of an unborn animal; the stage where all its body parts can be identified.</li> <li>→ Gametes- special cells produced by organisms in which there is sexual reproduction; these (special) cells fuse to form a new individual.</li> </ul> |

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|  |  |  | <ul style="list-style-type: none"> <li>→ Hermaphrodite- an animal having both male and female reproductive organs: it, by itself, produces both types of gametes.</li> <li>→ incubation period- time taken for the embryo to develop inside the egg.</li> <li>→ internal fertilisation- fusion of the sperm, with the egg, inside the female body.</li> <li>→ Metamorphosis- a radical change in the structure and habits of an animal during its life cycle.</li> <li>→ oviparous animals- animals which reproduce by laying eggs; there is negligible embryonic development within the mother's body.</li> <li>→ sexual reproduction- producing young ones by fusion of gametes (generally) produced by two (male and female) parents.</li> <li>→ Sperms- the male gametes produced by the male reproductive organs</li> <li>→ viviparous animals- animals which reproduce by giving birth to young ones.</li> <li>→ Zygote- a fertilised egg/single cell, produced through fusion of the male and female gametes.</li> </ul> |
|  |  | <p>Ch-15 reaching the age of adolescence</p> | <ul style="list-style-type: none"> <li>→ Adam's Apple- larynx protruding out in front of the throat; generally seen in adolescent boys and men. →</li> <li>Adolescence- stage of transition between childhood and adulthood; it is marked by rapid physical and mental development. →</li> <li>Adrenaline- hormone produced by the adrenal glands; it helps the body to respond to stress.</li> <li>→ Autosomes- chromosomes which have no role in determining the sex of the individual.</li> <li>→ endocrine glands- ductless glands that pour their secretions directly into blood.</li> <li>→ Estrogen- female sex hormone secreted by the ovaries.</li> <li>→ Hormones- chemicals, produced and secreted by endocrine glands and transported by blood; these act as</li> </ul>   |

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|  |                 |                                  | <p>chemical messengers which help organs and tissues to work in coordination with each other.</p> <ul style="list-style-type: none"> <li>→ Insulin- hormone produced by the pancreas; it helps in lowering and maintaining the blood sugar levels.</li> <li>→ Larynx- voice box present in the throat; it produces sound and gives the characteristic pitch to the voice.</li> <li>→ pituitary gland- an endocrine gland located in the brain; it releases the growth hormone, among many others.</li> <li>→ Puberty- the time span over which adolescents reach sexual maturity.</li> <li>→ sebaceous glands- sebum producing glands present in the skin.</li> <li>→ sex chromosomes- chromosomes involved in determining the sex of an individual.</li> <li>→ Testosterone- male sex hormone produced by the testes. → Thyroxine- hormone produced by the thyroid gland.</li> </ul> |
|  |                 | <b>Activity</b>                  | <p>Ch - 12 Sound requires medium to travel<br/> Ch- 14 Metamorphosis in frogs<br/> Ch- 15 Naming the hormones released by the various glands</p>  |
|  | <b>December</b> | REVISION                         |   |
|  |                 | <b>U.T. 4<br/>(2nd December)</b> | <p>Ch-12 Sound<br/> Ch- 16 Electric current and its chemical effects</p>  |
|  | <b>January</b>  | Revision                         |   |
|  | <b>February</b> | Final Exam                       |   |
|  | <b>March</b>    | Final Exam                       |   |

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| <p style="text-align: center;"><b>Social<br/>Science</b></p> | <p style="text-align: center;"><b>April</b></p> | <p>Chapter No. 1</p> <p>Resources: Utilisation and Development.</p>               | <p>Resources, Natural, Human-made, Renewable, Non-renewable, Sustainable Development, Conservation, Utility, Biotic, Abiotic</p>  |
|  |   | <p>Chapter No. 8</p> <p>The modern period</p>                                     | <p>Colonialism, Imperialism, Industrial Revolution, Nationalism, Enlightenment, Urbanization, Westernization, Reforms, Scientific Advancements, Exploration</p>             |
|  |   | <p><b>Chapter No. 9</b></p> <p><b>Establishment of company rule in India.</b></p> | <p>East India Company, Battle of Plassey, Battle of Buxar, Diwani Rights, Subsidiary Alliance, Doctrine of Lapse, Annexation, Nawabs, Mughal Decline, Trade Monopoly</p>    |
|  |   | <p><b>Chapter No. 16</b></p> <p><b>Our constitution</b></p>                       | <p>Preamble, Sovereignty, Democracy, Republic, Liberty, Equality, Justice, Secularism, Federalism, Constitution.</p>  |
|  |   | <p style="text-align: center;"><b>Activity</b></p>                                | <p><b>Establishment of company rule in India- Timeline Creation (Group Work)</b></p> <p><b>Our constitution - Preamble Puzzle</b></p>                                       |
|  | <p style="text-align: center;"><b>May</b></p>   | <p>Chapter No. 2. Natural resources land soil and water</p>                       | <p>Landforms, Soil Erosion, Conservation, Irrigation, Watershed Management, Terrace Farming, Afforestation, Desertification, Wetlands, Water Cycle</p>                      |
|  |   | <p>Chapter No. 3 Natural resources vegetation and wildlife</p>                    | <p>Ecosystem, Biodiversity, Endangered Species, Deforestation, National Parks, Sanctuaries, Biosphere Reserves, Poaching, Flora, Fauna</p>                                  |
|  |   | <p><b>Chapter No 10 Colonialism, rural and tribal societies.</b></p>              | <p>Zamindari System, Ryotwari System, Mahalwari System, Indigo Cultivation, Tribal Rebellions, Forest Laws, Displacement, Subsistence Economy, Exploitation, Resistance</p> |

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|  |             | <b>Chapter No. 17</b><br><b>Fundamental rights</b><br><b>Fundamental duties and</b><br><b>Directive principles of state</b><br><b>policies.</b> | Equality, Freedom, Justice, Constitution, Education, Environment, Welfare, Rights, Patriotism, Public Welfare.                                    |
|  |             | <b>Activity</b>   | <b>Constitution Corner – Rights, Duties &amp; DPSP Chart Presentation (Group Work)</b>  |
|  |             | <b>U.T.1</b><br><b>(11th May)</b>   | Ch-1 Resources utilisation and Development. Ch-8 The modern period. Ch-16 Our constitution.   |
|  | <b>June</b> | <b>Summer Break</b>   |   |
|  | <b>July</b> | Chapter No. 4 Mineral and energy resources.   | Minerals, Mining, Fossil Fuels, Renewable Energy, Non-renewable Energy, Solar Power, Wind Energy, Hydroelectricity, Conservation, Sustainable Use |
|  |             | Chapter No. 11 The first war of independence-1857   | Sepoy Mutiny, Mangal Pandey, Rani Lakshmibai, Bahadur Shah Zafar, Annexation, Grievances, Rebellion, British Raj, Revolt, Nationalism             |
|  |             | Chapter No 18 The union government the legislature  | Parliament, Lok Sabha, Rajya Sabha, Bill, Lawmaking, Speaker, Election, Constitution, Member of Parliament (MP), Debate                           |
|  |             | Chapter No. 19 The union government the executive.  | President, Prime Minister, Cabinet, Executive, Governance, Power, Decision-making, Oath, Policies, Ministries                                     |
|  |             | <b>Activity</b>   | <b>Mock Parliament &amp; Executive Role Play (Group Activity)</b>   |

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|  |                  | <b>U.T. 2<br/>(13th July)</b>                 | Ch-2 Natural resources land soil and water<br><br>Ch-10 Colonialism rural and tribal societies.<br><br>Ch-17 Fundamental rights Fundamental duties and Directive principles of State policy.  |
|  | August           | Chapter No. 6 Manufacturing industries        | Industrialization, Cottage Industry, Small-scale Industry, Large-scale Industry, Raw Materials, Production, Export, Import, Industrial Regions, Pollution   |
|  |                  | Chapter No 12 Impact of British rule on India | Deindustrialization, Drain of Wealth, Cash Crops, Famines, Land Revenue Systems, Railways, Trade Policies, Handicrafts Decline, Economic Exploitation, Taxation   |
|  |                  | <b>Activity</b>                               | <b>Industrial Location Analysis &amp; Poster Presentation (Group Work)</b>  |
|  |                  | <b>Half Yearly Syllabus</b>                   | Ch-1 Resources utilisation and Development Ch-2 Natural Resources land and soil Ch-5 Agriculture Ch-8 The modern period Ch-10 Colonialism rural and tribal societies. Ch-11 The first war of independence- 1857 Ch-16 Our Constitution. Ch-17 Fundamental rights Fundamental duties and Directive principles of state policy. Ch-18 The union Government the legislature. |
|  | <b>September</b> | <b>Half Yearly Exam<br/>14th September</b>    |   |
|  | <b>October</b>   | Chapter No. 7 Human resources                 | Population Density, Birth Rate, Death Rate, Migration, Urbanization, Literacy Rate, Workforce, Demographic Dividend, Life Expectancy, Population Policy   |

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|  |                 | Chapter No. 13 Colonialism and urban change                             | Renaissance, Brahmo Samaj, Arya Samaj, Sati Abolition, Widow Remarriage, Caste System, Education Reforms, Women's Rights, Swami Vivekananda, Raja Ram Mohan Roy |
|  |                 | Chapter No 14 The Nationalist movement (1870 to 1947)                   | Indian National Congress, Swadeshi Movement, Partition of Bengal, Home Rule Movement, Non-Cooperation, Civil Disobedience, Quit India, Gandhi, Nehru, Jinnah    |
|  |                 | <b>Activity</b>   | <b>Freedom Movement Phases – Group Presentation &amp; Timeline</b>  |
|  |                 | <b>U.T.3<br/>(21st October)</b>   | Ch 6: Manufacturing Industry Ch-7 Human resource Ch-18 Our union Government -The legislature  |
|  | <b>November</b> | Chapter No. 21 Social justice and the marginalized.                     | Discrimination, Equality, Rights, Social Justice, Reservation, Minorities, Dalits, Tribals, Empowerment, Inclusion.   |
|  |                 | Chapter No. 15 India Marches ahead                                      | World War II, Cripps Mission, INA, Subhas Chandra Bose, Cabinet Mission, Partition, Independence Act, Mountbatten Plan, Communal Riots, Freedom                 |
|  |                 | Chapter No 20 Name of the Chapter The union Government - The judiciary. | Equality, Discrimination, Rights, Reservation, Caste, Gender, Dalits, Minorities, Welfare, Inclusion.   |
|  |                 | <b>Activity</b>   | <b>Mock Court (Role Play – Understanding the Judicial System)</b>   |
|  |                 | Chapter No. 22 Name of the Chapter Safeguarding the marginalised.       | Discrimination, Equality, Rights, Social Justice, Reservation, Minorities, Dalits, Tribals, Empowerment, Inclusion.   |
|  | <b>December</b> | REVISION  |   |

|                            |                 |   |  |
|----------------------------|-----------------|---|--|
|                            |                 | <b>U.T. 4</b><br><b>(2nd December)</b>  | Ch- 20: The Union Government: Judiciary<br>Ch 19: The union government the executive. Ch 15: India Marches ahead |
|                            | <b>January</b>  | Revision                                |  |
|                            | <b>February</b> | Final Exam                              |  |
|                            | <b>March</b>    | Final Exam                              |  |
| <b>Moral<br/>Education</b> | <b>April</b>    | Chapter No. 1<br>प्रार्थना              | असतो, मा, सद्गमय, तमसो, ज्योति, मृत्यु,<br>अमृतम, देव, परासुव, भद्रम्  |
|                            |                 | Chapter No. 2<br>अग्नि की चाह           | हवन कुंड, मेहमान, जन्मदिन, हवन, सामग्री,<br>अग्नि, आदर, प्रज्वलित, वातावरण, आशीर्वाद                             |
|                            | <b>May</b>      | Chapter No. 3<br>बड़ बोली तू क्यों बोली | सुभाषिणी, मरुस्थल, विद्यालय, प्रधानाध्यापिका,<br>विद्यार्थी, निरीक्षण, समय सारणी, महाभारत,<br>अवकाश              |
|                            |                 | <b>U.T.1</b><br><b>(11th May)</b>       |  |
|                            | <b>June</b>     | <b>Summer Break</b>                     |  |
|                            | <b>July</b>     | Chapter No. 4<br>साथी हाथ बटाना         | सहपाठी, प्रोजेक्ट, मतभेद, समूह, प्रोत्साहित,<br>गलतियां, धैर्य, व्यर्थ, टोली, कंकड़, पत्थर                       |
|                            |                 | Chapter No. 5<br>और उसने सुना           | स्कूल, जमीन, किस्मत, जिम्मेदार, अनुचित,<br>व्यवहार, परिवार, आचरण, लज्जित, अलंकृत                                 |

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|  |                  | <b>U.T. 2</b><br><b>(13th July)</b>                |  |
|  | <b>August</b>    | Chapter No. 6<br>में मंथरा                         | रामलीला, मंचन, कौशल्या, कुशलता, परिचित, राजवंश, बचपन, अशिक्षित, नौकरानी, बुद्धिमान |
|  |                  | Chapter No. 7<br>क्षमाशील स्वामी दयानंद            | विवाद, उपस्थित, शांत, क्षमा, आक्रोश, अहंकार, शांतिपूर्वक, दिन, नर्तकी, जगन्नाथ     |
|  |                  | <b>Half Yearly Syllabus</b>                        |  |
|  | <b>September</b> | <b>Half Yearly Exam</b><br><b>14th September</b>   |  |
|  | <b>October</b>   | Chapter No. 8<br>कुछ तो लोग कहेंगे                 | उदास, वर्जिश, मोटापा, प्रशंसा, शुभचिंतक, साइकिल, शर्मिदा, बेशर्म, निर्णय, तनाव     |
|  |                  | Chapter No. 9<br>मतभेद अथवा मनभेद                  | दीवार, नाराजगी, वाणी, मतभेद, मनभेद, स्वतंत्रता, विवाद, राजमा, रसोई घर, चुपचाप      |
|  |                  | <b>U.T.3</b><br><b>(21st October)</b>              |  |
|  | <b>November</b>  | Chapter No. 10<br>आखिर यह दिन इतना भी बुरा नहीं था | इंतज़ार, कुंठित, विदुषी, बातचीत, मनपसंद, महसूस, संकल्प, क्रोधित, न्याय, चालक       |

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|            |                 | Chapter No. 11<br>अनुकृत की डायरी                               | आलीशान, भगवान, जैकेट, पिताजी, स्वेटर,<br>किस्मत, सब्जी, पौष्टिक, आहार, विविधता  |
|            | <b>December</b> | Chapter No. 12<br>मेरा लाल रुमाल                                | बहादुर, विश्वसनीय, ज्ञानी, विवेकी, दयालु,<br>धैर्यवान, कृपालु, हंसमुख, मिलनसार, उदास  |
|            |                 | Chapter No. 13<br>म्यूजिकल चेयर                                 | बुद्धिमान, चतुर, व्यक्ति, विश्वास, घोषणा,<br>प्रधानाचार्य, विद्यालय, विद्यार्थी, उत्साहित,<br>कर्तव्य, जिम्मेदारी, म्यूजिकल     |
|            |                 | <b>U.T. 4</b><br><b>(2nd December)</b>                          |   |
|            | <b>January</b>  | पुनरावृत्ति   |   |
|            | <b>February</b> | Final Exam  |   |
|            | <b>March</b>    | Final Exam  |   |
| <b>G.K</b> | <b>April</b>    | Chapter No. 1<br>Name of the Chapter<br>Language and literature |   |
|            |                 | <b>Activity</b>   | Life Skill: Respect for work<br><br>● Activity: Role play on different professions<br><br>Outcome: Respect for all occupations. |
|            |                 | <b>Chapter 2</b><br>Environment Around                          |   |

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|  | May         | <b>Activity</b>                     | Life Skill: Observation<br>● Activity: Prism experiment / shadow activity<br>Outcome: Scientific curiosity  |
|  |             | <b>U.T.1</b><br><b>(11th May)</b>   | <b>Chapter 1</b>  |
|  | <b>June</b> | <b>Summer Break</b>                 |   |
|  | <b>July</b> | Chapter 3<br>World Around           |   |
|  |             | <b>Activity</b>                     | Life Skill: Creativity & awareness<br>● Activity: Design stamps on themes (freedom fighters, environment)<br>Outcome: Creative expression   |
|  |             | <b>U.T. 2</b><br><b>(13th July)</b> | unit 2  |
|  | August      | Revision                            |   |
|  |             | <b>Activity</b>                     | Group Project: Each group presents:<br><br>● One festival<br>● One dance form<br>● One monument/museum<br>Add drawings, charts or small models<br>● Life Skills: Teamwork, research |

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|  |                  | <b>Half Yearly Syllabus</b>                      | Chapter 1,2,3  |
|  | <b>September</b> | <b>Half Yearly Exam</b><br><b>14th September</b> |  |
|  | <b>October</b>   | Chapter 4<br>Art and Culture                     |  |
|  |                  | <b>Activity</b>                                  | Group Project: Each group presents: <ul style="list-style-type: none"> <li>● One festival</li> <li>● One dance form</li> <li>● One monument/museum</li> </ul> Add drawings, charts or small models <ul style="list-style-type: none"> <li>● Life Skills: Teamwork, research</li> </ul> |
|  |                  | <b>U.T.3</b><br><b>(21st October)</b>            | Chapter 4  |
|  | <b>November</b>  | chapter 5<br>Maths Magic                         |  |
|  |                  | <b>Activity</b>                                  | Activity: Give a mock budget of ₹500<br>students buy items and calculate total<br>discount<br><br>Life Skills: Financial Literacy, Numeracy  |

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|                 | <b>December</b> | Chapter 6<br>Sports and Games                    | Activity:Conduct simple game,(relay, kabaddi) Strategy discussion<br><br>Life Skills:Team Work, Leadership   |
|                 |                 | <b>U.T. 4</b><br><b>(2nd December)</b>           |  |
|                 | <b>January</b>  | Revision   |  |
|                 | <b>February</b> | Final Exam                                       |  |
|                 | <b>March</b>    | Final Exam                                       |  |
| <b>Computer</b> | <b>April</b>    | Chapter No. 1<br>Let us ExplorerComputer Network | Network, Peripheral, Infrared, Server, Client, NIC, Switch, Modem, Signals, Interpreter, Router, Coaxial Cable, Optical Fibre Cable, Twisted Pair, Shielded , Unshielded, Troubleshoot, Ethernet, Immunity, Attenuation, Fragile, Bluetooth, Radio link, Penetrate, Electromagnetic, Omni directional, Bandwidth, Radio waves, Mbps, LAN, WAN, MAN, PAN, ISP, Dial-up, DSL, Satellite, 3G /4G, |
|                 | <b>May</b>      | Chapter No. 2<br>HTML - I                        | Web Browser ,Text editor, Tags, Attributes, Web Address, Website, Dynamic, Static, URL, HTML, WYSIWYG, Element, Angle Brackets, Hyperlink, Extension, Align, Container Tag, Empty Tag  |
|                 |                 | <b>U.T.1</b><br><b>(11th May)</b>                |  |

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|  | <b>June</b>      | <b>Summer Break</b>  |   |
|  | <b>July</b>      | Chapter No. 3<br>Lists and Tables in HTML                      | Ordered list, Unordered list, Nested List, Matryoshka, Grid, Caption, Cell padding, Cells spacing   |
|  |                  | <b>U.T. 2</b><br><b>(13th July)</b>                            |   |
|  | August           | Chapter No. 4<br>HTML - III                                    | Linking, Hyper linking, Src, Alt, Internal Linking, External Linking  |
|  |                  | <b>Half Yearly Syllabus</b>                                    |   |
|  | <b>September</b> | <b>Half Yearly Exam</b><br><b>14th September</b>               |   |
|  | <b>October</b>   | Chapter No. 5<br>Identifying Networked Resources and Computers | Domain Name, MAC, IP Address, Web Server, Client Server Technology, Web Hosting Company, Protocol, File Transfer Protocol, HTTP, HTTPS, TCP / IP, Security Network, Stringent law, Cyber Crime, Hacking |
|  |                  | Chapter No. 6<br>Problem Solving                               | Algorithm, Translator, Assembler, Interpreter, Assembler, Parallelogram, Machine Code, Programming Language, Compiler   |
|  |                  | <b>U.T.3</b><br><b>(21st October)</b>                          |   |

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|  | <b>November</b> | Chapter No. 7<br>Programming with QBasic                  | QBASIC, IDE, Loop, Constant, Variable, Arithmetic Operator, Logical Operator, Relational operator, Logical Operator, String Operator, Hierarchy  |
|  | <b>December</b> | Chapter No. 8<br>Looping in QBasic & Project Handling     | Loop, Worms, Malware, Defragmentation, Rigorous Testing, Malfunctioning  |
|  |                 | Chapter No. 9<br>The Cyber World, Cyber Crime and the Law | Cyber Bullied, SMS, Cyber Congress, Threatened, Harassed, Humiliated, Embarrassed, Fake account, Publish comment, Blocking, FIR, MAC Address, Copyright Infringement, Child Pornography, Netiquettes, Firewall |
|  |                 | <b>U.T. 4</b><br><b>(2nd December)</b>                    |  |
|  | <b>January</b>  | Revision  |  |
|  | <b>February</b> | Final Exam  |  |
|  | <b>March</b>    | Final Exam  |  |

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| <p><b>Art</b></p> | <p><b>April</b></p> | <p>Fundamentals of Art</p> <p><b>Activity 1: Elements and Principles of Visual Art and Design</b></p> <p><b>1.1: Identify the Visual Elements</b></p> <p><b>1.2: Make a Journal of Visual Elements</b></p> <p><b>1.3: Identify the Principles of Visual Art and Design</b></p> <p><b>1.4: Apply the Principles of art and Design</b></p> <p><b>1.5: Assessment</b></p> |  |
|                   |                     | <p><b>Activity</b></p>   |  |
|                   | <p><b>May</b></p>   | <p>Still life in Pencil Shading, Oil Pastel, Monochrome, Water colour</p> <p><b>Activity 2: Still Life in Colour</b></p> <p><b>2.1: Arranging a Still Life</b></p> <p><b>2.2: Draw and Colour the Still Life</b></p> <p><b>2.3: Artists Who are known for their Still Life</b></p> <p><b>2.4: Assessment</b></p>   |  |
|                   |                     | <p><b>Activity</b></p>   |  |
|                   |                     | <p><b>U.T.1</b></p> <p><b>(11th May)</b></p>   | <p><b>Still life, Principles of Art</b></p>  |
|                   | <p><b>June</b></p>  | <p><b>Summer Break</b></p>   | <p>All pages of Mixmedia, Pencil Shading, Oil Pastel, Monochrome, Water colour</p> |

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|  |               |   | <b>Catalogue of Famous artists from India and other countries</b> |
|  | <b>July</b>   | Perspective (Pages31-38)<br>Light effect on face<br><br><b>Activity 3: People in Places</b><br><b>3.1: Making a Viewing Grid</b><br><b>3.2: Human Anatomy-Mark the Proportion</b><br><b>3.3: Body Positions and Postures-Draw Your Friends</b><br><b>3.4: Composition in Perspective</b><br><b>3.5: Assessment</b>            |   |
|  |               | <b>Activity</b>   |   |
|  |               | <b>U.T. 2</b><br><b>(13th July)</b>   | <b>Human Anatomy, Light effect on Face</b>                        |
|  | <b>August</b> | Fun and Fiction- Cartoons and Caricature(45,46,47)<br>Portrait/Sketching (Famous Personality)<br><br><b>Activity 4: Arts of the People, With the People, for the People</b><br><b>4.1: Tie and Link</b><br><b>4.2: Art of Knotting</b><br><b>4.3: Patch the Match</b><br><b>4.4: Pulp and Paint</b><br><b>4.5: Assessment</b> |   |
|  |               | <b>Activity</b>   |   |
|  |               | <b>Half Yearly Syllabus</b>   | <b>Perspective, Cartoon, Body Posture, Composition</b>            |

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|  | <b>September</b> | <b>Half Yearly Exam</b><br><b>14th September</b>  |   |
|  | <b>October</b>   | Composition(Page39,40,<br>41,42)<br>Composition-Festival<br>Calligraphy<br><br><b>Activity 5: Campaign for Art Awareness</b><br><b>5.1: Choose the subject for your Campaign</b><br><b>5.2: Collect the Information</b><br><b>5.3: Organise the Information</b><br><b>5.4: Create Visuals and bring it together (Brochures)</b><br><b>5.5: Assessment</b> |   |
|  |                  | <b>Activity</b>   |   |
|  |                  | <b>U.T.3</b><br><b>(21st October)</b>   | <b>Composition, Calligraphy</b>                       |
|  | <b>November</b>  | Poster<br>Folk Art - Madhubani(Theory)<br>Snake and Ledders<br>Optic Illusion   |   |
|  |                  | <b>Activity</b>   |   |
|  | <b>December</b>  | FolkArts- Madhubani, (Drawing)<br>Collage(Pages43, 44)<br>Stenciling (48,49,50)   |   |
|  |                  | <b>U.T. 4</b><br><b>(2nd December)</b>  | <b>FolkArt- Madhubani (Drawing), Snake and Ledder</b> |

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|          | January  | Revision  |  |
|          | February | Final Exam  | <b>Madhubani Art (MCQs), Poster, Composition</b>   |
|          | March    | Final Exam  |  |
| Sanskrit | April    | 1 सुवचनानि 2 वसुधैव कुटुम्बकम्<br>व्याकरण-पठ्,गम् राम लता अस्मद्                          | सुखिनः निरामया भद्राणि पश्यन्तु अधमा धनम्<br>उत्तमा मानम महतं धियः<br>काकः चटका सुन्दरम् गृहम् वृक्षे तृणैः शुष्कम्<br>अभिमानि ग्रीष्मकाले हरीतिमा वर्षा |
|          |          | Activity  |  |
|          | May      | 3 अहम् नदी अस्मि<br>व्याकरण- दृश्,स्था, फल ,मुनि<br>,युष्मद्<br>उपपद विभक्ति, दीर्घ सन्धि | नदी सौन्दर्यम वसुन्धरा जलम् विश्वे महानगरम्<br>विख्याता ऋषयः दीर्घतमम् प्रदूषितम्  |
|          |          | Activity  |  |
|          |          | <b>U.T.1</b><br><b>(11th May)</b>   | पाठ 1 ,2 गम् ,राम ,अस्मद्  |

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|  | <b>June</b>      | <b>Summer Break</b>  |  |
|  | <b>July</b>      | 4 क्षमस्व महर्षे! 5 दिव्या गीर्वाण<br>भारती<br><br>व्याकरण- ल्यप् प्रत्यय उपसर्ग चित्र<br>वर्णन पत्र | भारते दयानन्दः क्षमाशीलः वेदधर्मःसमाजे<br>असहिष्णुः बद्धवाप्रेषितवान् चिनता शिष्यःगंगा |
|  |                  | <b>Activity</b>  |  |
|  |                  | <b>U.T. 2</b><br><b>(13th July)</b>  | पाठ 3 उपपद विभक्ति दृश् स्था मुनि युष्मद्<br>दीर्घ सन्धि                               |
|  | <b>August</b>    | पाठ 6 मधरुणि वचनानि<br>व्याकरण-किम,तत् ,सेव,लभ,अस गुण  | जननी,वर्गा<br>त,ग्गरयसी,लोचनम,्शाम,्ातरम,्रि पःुः,<br>अनतृ म् अमाकम,्धर्मवर्म ृ धेष    |
|  |                  | सन्धि ,1-50 तक गिनती,अव्यय<br>,क्त्वा प्रत्यय  |  |
|  |                  | <b>Activity</b>  |  |
|  |                  | <b>Half Yearly Syllabus</b>  | पाठ 1-6 तक,अलै सेअगत तक संपूर्ण याकरण  |
|  | <b>September</b> | <b>Half Yearly Exam</b><br><b>14th September</b>   |  |

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|  | <b>October</b>  | 7, सफलं तस्य जीवितम् 8 ोधेन कार्यं<br>न सि यति याकरण-भ, ूव, च, मति<br>, नद, तत, ्वृधि सन्धि , तमुन   | पिबन्ति , नाभः, वृ ाः, फलानि , वरि वाहाः, त्रि वि<br>धम, ्नरक य, ोधः लोभः, वारम ्<br>कपाटम, ्आवृय, आणुिणि, सहजपेण, वरैण, वरैणि<br>, कदाच न, शातभावेन, रौ, ोधेन      |
|  |                 | <b>Activity</b>  |   |
|  |                 | <b>U.T.3</b><br><b>(21st October)</b>  |   |
|  | <b>November</b> | Chapter No. 9, 10<br>9 अविसवते न विस्वसेत्<br>10 गणा पूजास्थानम्<br>व्याकरणम्- कृ, पा, धातु साधु तत्<br>50-100 तक गिनति , यण सन्धि<br>, उपसर्ग, उपपद विभक्ति | ातमु , ्वने, मषूकाः, गृ ालः कचन, यनू<br>ाः, णय, एकाक , वा, आय गणु ाः, पजू<br>ाथानम्, ्वयः, लि गं म, ्उथाय, ेपयानम्, ्आचा<br>र्यमर्य , जि ासा, सखिखिनः, सक्तुक्ति म् |
|  |                 | U.T.3 (3rd November)   | पाठ 7,8 भ, ूव , मति , नद  |
|  |                 | <b>Activity</b>  |   |
|  | <b>December</b> | Chapter No. 11, 12 हितं मनोहारि च<br>दुर्लभं वचः 12 वायायात्मा मदः<br>याकरणम्- लिख,<br>नम, ्शभु , एतत, ्<br>अयय, प, चि वर्णन                                 |   |

|  |                 |  |   |
|--|-----------------|--|---|
|  |                 | <b>U.T. 4</b><br><b>(2nd December)</b> | पाठ 9,10 उपपद विभक्ति , यण सन्धि ,लिख, नम |
|  | <b>January</b>  | Revision                               |   |
|  | <b>February</b> | Final Exam                             |   |
|  | <b>March</b>    | Final Exam                             |   |

Note Exam date are tentative