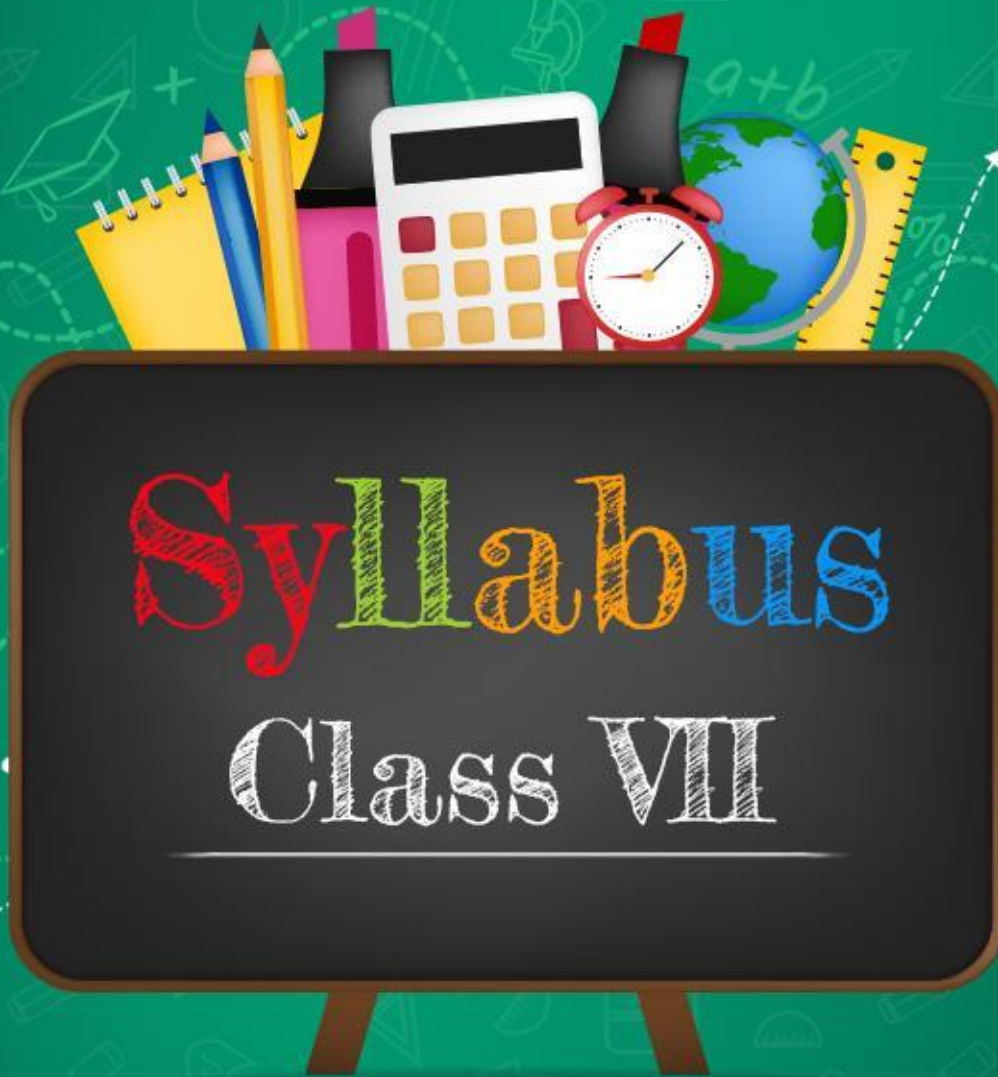




# RUBY PARK PUBLIC SCHOOL



Syllabus

Class VII



**Syllabus  
Class VII**

Session: 2024 - 25

**ENGLISH**



| MONTH  | READING                                     | WRITING                                  | GRAMMAR  | LITERATURE   |
|--------|---|--|--|--|
| APRIL  | Worksheet<br>1                              | Informal<br>Letter                       | Sentences:<br>Kinds<br>Subject -<br>Predicate,                                 | The MCC,<br>Coromandel Fishers<br>(Poem)                           |
| MAY    | Worksheet<br>2                              | Composition<br>based on<br>Visual Inputs | Nouns  | The Green Morning  |
| JUNE   | <b>PRE MID TERM EXAMINATION</b>             |  |  |  |
| JUNE   | Worksheet<br>3                              | E mail<br><br>Dialogue<br>Writing        | Articles<br>Pronouns<br><br>Adjectives:<br>Kinds                               | The Fight,<br>Maps (Poem)<br>Break, Break, Break,<br>Break (Poem), |
| JULY   | Worksheet<br>4                              | Formal Letter<br>Magazine<br>Article     | Comparison<br>of Adjectives<br>Prepositions<br><br>Active and<br>Passive Voice | The Enchanted Pool,<br>To Truly Understand a<br>Rainbow (Poem)     |
| AUGUST | Worksheet<br>5                              | Magazine<br>Article<br>(contd.)          | Finite<br>and Non<br>finite<br>Verbs   | The Small Ghost of<br>the Mountain                                 |
| AUGUST | <b>REVISION FOR HALF YEARLY EXAMINATION</b> |  |  |  |



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|                               |  |  |   |   |
|-------------------------------|--|--|---|---|
| <b>AUGUST/SEPTEMBER</b>       | <b>HALF YEARLY EXAMINATION</b>         |  |   |   |
| <b>SEPTEMBER</b>              | Worksheet<br>6                         | Description<br>of a person<br>/ place              | Subject-Verb<br>Agreement   | The Mother Bird (Poem)  |
| <b>OCTOBER</b>                | Worksheet<br>7                         | Description<br>of an<br>incident<br><br>Bio Sketch | Conjunctions<br><br>Adverbs   | The Wolves of<br>Cernogratz<br><br>A Sea of Foliage<br>(Poem) |
| <b>NOVEMBER</b>               | Worksheet<br>8                         | Diary Entry  | Tenses  | The Scholarship Jacket  |
| <b>NOVEMBER,<br/>DECEMBER</b> | <b>POST MID TERM EXAMINATION</b>       |  |   |   |
| <b>DECEMBER</b>               | Worksheet<br>9                         | Notice<br>Writing                                  | Reported<br>Speech  | Night Witches<br><br>Heartwood                                |
| <b>JANUARY</b>                | Worksheet<br>10                        | Story Writing                                      | Reported<br>Speech<br>(contd.)<br><br>Transitive and<br>Intransitive<br>Verbs | My Unknown Friend<br><br>The Play                             |
| <b>FEBRUARY</b>               | <b>REVISION FOR ANNUAL EXAMINATION</b> |  |   |   |
|                               | <b>ANNUAL EXAMINATION</b>              |  |   |   |



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Topics from Term 1 Syllabus covered before HY Exam to be included in the Annual Exam

| <b>LANGUAGE</b>          | <b>LITERATURE</b>               |
|--------------------------|---------------------------------|
| Formal Letter            | The MCC                         |
| Magazine Article         | Coromandel Fishers(Poem)        |
| Active and Passive Voice | The Small Ghost of the Mountain |



**2<sup>ND</sup> LANGUAGE- HINDI**

| MONTH                     | LANGUAGE  | LITERATURE  |
|---------------------------|---|---|
| APRIL                     | अपठित गद्यांश, विलोम शब्द (1-30), अनेकार्थक शब्द(1-25), अनुच्छेद लेखन | फूल और काँटा, परोपकार                             |
| MAY                       | चित्र वर्णन   | बलिदानी बेटियाँ                                   |
| JUNE                      | <b>PRE MID TERM EXAMINATION</b>                                       |   |
| JUNE                      | विज्ञापन लेखन, विराम चिह्न  | परिश्रम का वरदान (कहानी संचय)                     |
| JULY                      | अव्यय - समुच्चयबोधक, उपसर्ग-प्रत्यय                                   | मैं बन जाता चंपा फूल, मैरी और पियरे               |
| AUGUST                    | अनौपचारिक पत्र, संवाद लेखन  | मोती (कहानी संचय)                                 |
| AUGUST-<br>SEPTEMBER      | <b>REVISION FOR HALF YEARLY EXAMINATION</b>                           |   |
|                           | <b>HALF YEARLY EXAMINATION</b>  |   |
| SEPTEMBER                 | विस्मयादिबोधक, अनेक शब्दों के लिए एक शब्द (1-25)                      | शह में मात  |
| OCTOBER                   | संवाद लेखन, स्वर संधि   | यह है भारत देश हमारा, बिल्ली का बवंडर(कहानी संचय) |
| NOVEMBER                  | मुहावरे (31-60), औपचारिक पत्र   | पिता के नाम, सस्ता-महँगा                          |
| NOVEMBER<br>-<br>DECEMBER | <b>POST MID TERM EXAMINATION</b>                                      |   |
| DECEMBER                  | अर्थ के आधार पर वाक्य भेद और परिवर्तन, चित्र वर्णन                    | दोहे  |
| JANUARY                   | अनुच्छेद लेखन,पर्यायवाची शब्द (1-30)                                  | बलिदान (कहानी संचय)                               |



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| <b>FEBRUARY</b> | <b>REVISION FOR ANNUAL EXAMINATION</b> |
|                 | <b>ANNUAL EXAMINATION</b>              |

**Topics from Term 1 Syllabus covered before HY Exam to be included in the Annual Exam**

| <b>LANGUAGE</b> | <b>LITERATURE</b> |
|-----------------|-------------------|
| अनौपचारिक पत्र  | परोपकार           |
| अपठित गद्यांश   |                   |
| विज्ञापन लेखन   |                   |



**2<sup>ND</sup> LANGUAGE BENGALI**

| MONTH                  | LANGUAGE   | LITERATURE  |
|------------------------|--|---|
| APRIL                  | স্বরসন্ধি,<br>নির্মিতি - গল্পলিখন                  | তোতাকাহিনি (গদ্য)                                 |
| MAY                    | নির্মিতি - বোধ পরীক্ষণ                             | আমার বাড়ি (পদ্য)<br>কুস্তীর বিভ্রাট (সহায়ক পাঠ) |
| JUNE                   | <b>PRE MID TERM EXAMINATION</b>                    |   |
| JUNE                   | বাংলা বানানের শুদ্ধ প্রয়োগ।<br>গত্ব ও ষত্ব বিধান  | মহাপ্রস্থান (গদ্য) ,<br>আরুণি (পদ্য)              |
| JULY                   | বাক্য পরিবর্তন (সরল, জটিল, যৌগিক)                  | মাস্টারমশাই (সহায়ক পাঠ)<br>দীনদান (পদ্য)         |
| AUGUST                 | সাধু ও চলিত ভাষা<br>নির্মিতি - পত্রলিখন            | লালু (গদ্য)<br>সভ্য অসভ্য (গদ্য)                  |
| AUGUST                 | <b>REVISION FOR HALF YEARLY EXAMINATION</b>        |   |
| AUGUST<br>-SEPTEMBER   | <b>HALF YEARLY EXAMINATION</b>                     |   |
| SEPTEMBER              | কারক (কর্তৃকারক, কর্ম কারক, করণ<br>কারক) ও বিভক্তি | আহ্বান (পদ্য) )                                   |
| OCTOBER                | কারক (কর্তৃকারক, কর্ম কারক, করণ<br>কারক) ও বিভক্তি | কালকেতু ও ফুল্লরার আখ্যান<br>(গদ্য)               |
| NOVEMBER               | এক কথায় প্রকাশ<br>নির্মিতি - পত্রলিখন             | ছেলেবেলা (সহায়ক পাঠ)                             |
| NOVEMBER -<br>DECEMBER | <b>POST MID TERM EXAMINATION</b>                   |   |
| DECEMBER               | পদ পরিবর্তন,                                       | নীল বিদ্রোহের কথা (গদ্য)                          |



|          |                                 |                       |
|----------|---------------------------------|-----------------------|
|          | নির্মিতি - অনুচ্ছেদ             | ছেলের দল (পদ্য)       |
| JANUARY  | বোধ পরীক্ষণ                     | আবার আসিব ফিরে (পদ্য) |
|          | REVISION FOR ANNUAL EXAMINATION |                       |
| FEBRUARY | ANNUAL EXAMINATION              |                       |

**Topics from Term 1 syllabus covered before HY Exam to be included in the Annual Exam**

| LANGUAGE  | LITERATURE   |
|---|--|
| বাংলা বানানের শুদ্ধ প্রয়োগ,<br>সাধু ও চলিত ভাষা,<br>বাক্য পরিবর্তন | দীনদান (পদ্য)<br>লালু (পদ্য)<br>মাস্টারমশাই (সহায়ক পাঠ) |





**3<sup>RD</sup> LANGUAGE- HINDI**

| MONTH                     | LANGUAGE                                    | LITERATURE                    |
|---------------------------|---|-------------------------------|
| APRIL                     | वर्ण और वर्णमाला, अपठित गद्यांश, संज्ञा     | चाँद) कविता(, बुढ़िया और बापू |
| MAY                       | लिंग  | मैना, तोता और कबूतर           |
| JUNE                      | <b>PRE MID TERM EXAMINATION</b>             |                               |
| JUNE                      | अनुच्छेद लेखन                               | सवेरा) कविता(                 |
| JULY                      | वचन, सर्वनाम, विशेषण                        | गुरु और शिष्य                 |
| AUGUST                    | विशेषण, अनौपचारिक पत्र                      | नहीं व्यर्थ बहाओ पानी         |
| AUGUST<br>-<br>SEPTEMBER  | <b>REVISION FOR HALF YEARLY EXAMINATION</b> |                               |
|                           | <b>HALF YEARLY EXAMINATION</b>              |                               |
| SEPTEMBER                 | क्रिया, पर्यायवाची शब्द                     | नीलू                          |
| OCTOBER                   | महीनों और दिनों के नाम                      | हम नन्हें - नन्हें बच्चे हैं  |
| NOVEMBER                  | विलोम शब्द                                  | मिठाई और मौसम                 |
| NOVEMBER<br>-<br>DECEMBER | <b>POST MID TERM EXAMINATION</b>            |                               |
| DECEMBER                  | मुहावरे                                     | राजेंद्र प्रसाद               |
| JANUARY                   | अनुच्छेद लेखन                               | बढ़े चलो, बढ़े चलो            |
| FEBRUARY                  | <b>REVISION FOR ANNUAL EXAMINATION</b>      |                               |
|                           | <b>ANNUAL EXAMINATION</b>                   |                               |

**Topics from Term 1 Syllabus covered before HY Exam to be included in the Annual Exam**



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|                   |                                       |
|-------------------|---------------------------------------|
| <b>LANGUAGE</b>   | अपठित गद्यांश, अनौपचारिक पत्र, संज्ञा |
| <b>LITERATURE</b> | बुढ़िया और बापू                       |



**3<sup>RD</sup> LANGUAGE- BENGALI**

| MONTH                  | LANGUAGE   | LITERATURE  |
|------------------------|--|---|
| APRIL                  | ভাষা ও বর্ণমালা , স্বরবর্ণ , ব্যঞ্জনবর্ণ<br>স্বরধ্বনি , ব্যঞ্জনধ্বনি , যুক্তাক্ষর<br>বোধ পরীক্ষণ | -   |
| MAY                    | বোধ পরীক্ষণ  | -   |
| JUNE                   | <b>PRE MID TERM EXAMINATION</b>  |   |
| JUNE                   | পদ - বিশেষ্য , বিশেষণ , অনুচ্ছেদ   | বাঘকে বাঁচাও (কবিতা)<br>প্রথম কবি প্রথম কাব্য(গদ্য)<br>নৌকাযাত্রা (কবিতা) |
| JULY                   | পদ - সর্বনাম , অব্যয় , ক্রিয়া অনুচ্ছেদ<br>বোধপরীক্ষণ   | জালা কুঁজো সংবাদ(কবিতা)<br>দুই সঙ্গী (গদ্য)                               |
| AUGUST                 | লিঙ্গ , পুনরালোচনা   | পুনরালোচনা  |
| AUGUST                 | <b>REVISION FOR HALF YEARLY EXAMINATION</b>  |   |
| AUGUST<br>-SEPTEMBER   | <b>HALF YEARLY EXAMINATION</b>   |   |
| SEPTEMBER              | বচন , অনুচ্ছেদ   | ঈশ্বরচন্দ্রের ছেলেবেলা (গদ্য)   |
| OCTOBER                | ক্রিয়ার কাল (অতীত , বর্তমান , ভবিষ্যৎ)  | আমাদের গ্রাম (কবিতা)  |
| NOVEMBER               | সমার্থক শব্দ   | পিঁপড়ের বাসা(গদ্য)   |
| NOVEMBER –<br>DECEMBER | <b>POST MID TERM EXAMINATION</b>   |   |
| DECEMBER               | বিপরীতার্থক শব্দ   | বর্ষার ধুম (কবিতা)  |
| JANUARY                | পুনরালোচনা   | পুনরালোচনা  |
|                        | <b>REVISION FOR ANNUAL EXAMINATION</b>   |   |
| FEBRUARY               | <b>ANNUAL EXAMINATION</b>  |   |



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| <b>LANGUAGE</b>                               | <b>LITERATURE</b> |
|---|-------------------|
| বিশেষ্য , বিশেষণ , সর্বনাম , অব্যয় , ক্রিয়া | নৌকাযাত্রা        |



## 3<sup>RD</sup> LANGUAGE- SANSKRIT

| MONTH                     | LANGUAGE  | LITERATURE                                    |
|---------------------------|---|---|
| APRIL                     | वर्णविन्यासः, शब्दरूपाणि, धातुरूपाणि,<br>अपठिगद्यांशः, चित्रवर्णनम् | लङ् लकार-प्रथमपुरुषः,<br>लङ् लकार-मध्यमपुरुषः |
| MAY                       | अपठित-गद्यांशः  | लङ् लकार-उत्तमपुरुषः                          |
| JUNE                      | <b>PRE MID TERM EXAMINATION</b>                                     |   |
| JUNE                      | कारक  | सत्तानिर्णयः                                  |
| JULY                      | शब्दरूपाणि  | संख्याज्ञानम्                                 |
| AUGUST                    | चित्रवर्णनम्, शब्दरूपाणि, धातुरूपाणि                                | सुवचनानि, संग्रहालयः                          |
| AUGUST<br>-<br>SEPTEMBER  | <b>REVISION FOR HALF YEARLY EXAMINATION</b>                         |   |
|                           | <b>HALF YEARLY EXAMINATION</b>                                      |   |
| SEPTEMBER                 | अपठिगद्यांशः, शब्दरूपाणि  | 'जनरल' बिपिनरावतः                             |
| OCTOBER                   | धातुरूपाणि  | सुभाषितानि                                    |
| NOVEMBER                  | समयलेखनम्, चित्रवर्णनम्   | मूर्ख-भृत्यः, नैव क्लिष्टा न च<br>कठिना       |
| NOVEMBER<br>-<br>DECEMBER | <b>POST MID TERM EXAMINATION</b>                                    |   |
| DECEMBER                  | अपठितगद्यांशः   | बुद्धिर्यस्य बलं तस्य, डिजिटल<br>साक्षरता     |
| JANUARY                   | पुनरावृत्तिः  | पुनरावृत्तिः                                  |



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| <b>FEBRUARY</b> | <b>REVISION FOR ANNUAL EXAMINATION</b> |
|                 | <b>ANNUAL EXAMINATION</b>              |

**Topics from Term 1 Syllabus covered before HY Exam to be included in the Annual Exam**

|                   |  |
|-------------------|--|
| <b>LANGUAGE</b>   | अपठितगद्यांशः , चित्रवर्णनम्           |
| <b>LITERATURE</b> | संख्याज्ञानम् , सत्तानिर्णयः, सुवचनानि |



**3<sup>RD</sup> LANGUAGE- FRENCH**

| MONTH             | CHAPTER  | CHAPTER NAME                                | SUB-TOPIC   |
|-------------------|----------|---|---|
| <b>APRIL</b>      | Leçon-1  | Monsieur Lemieux va à Rennes                | Les verbes << Aller, ER exceptional ( cer, ger, eter>><br>Les nombres de 61 à 1000, L'heure<br>Les expressions avec "être"<br>Les moyens de transport en France   |
|                   | Leçon-2  | Où vas-tu?                                  | Les verbes en "ir" les articles contractés<br>Les stations de radio en France<br>Les interrogatifs  |
| <b>MAY - JUNE</b> |          | <b>PRE MID TERM EXAMINATION</b>             |   |
| <b>MAY</b>        | Leçon-3  | Un tableau magnifique !                     | Le pluriel des noms avec les exceptions, L'accord et la place des adjectifs, Voici/ Voilà , Quelques tableaux célèbres, Décrire les objects et les personnes.     |
| <b>JUNE</b>       | Leçon- 4 | Caroline visite sa nouvelle école           | Les métiers , les passe-temps<br>Les expressions avec << faire de >> et << jouer à , de >><br>Décrivez votre passe temps favori,<br>La culture ,<br>Le verbe voir |
|                   | Leçon- 5 | La maison de mes rêves                      | Futur Proche<br>La négation<br>Les adjectifs interrogatifs ,<br>Question based on les professions / les métiers   |
| <b>JULY</b>       | Leçon- 5 | La maison de mes rêves                      | Les prépositions<br>Ecrire un courriel,<br>Décrivez un lieu ,<br>Le vocabulaire de la maison,<br>Les nombres ordinaux   |
| <b>AUGUST</b>     | Leçon- 6 | Programme d'échange international           | Le verbe "venir"<br>La culture  |
| <b>AUGUST</b>     |          | <b>REVISION FOR HALF YEARLY EXAMINATION</b> |   |



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| SEPTEMBER |           | HALF YEARLY EXAMINATION           |   |
|-----------|-----------|-----------------------------------|---|
| SEPTEMBER | Leçon-6   | Programme d'échange international | Passé Récent<br>Les prépositions de lieu  |
| OCTOBER   | Leçon-7   | Léa achète une nouvelle robe      | Les verbes en "oir" - pouvoir, devoir, vouloir , L'infinitif<br>après un autre verbe,<br>Les vocabulaires des vêtements ,<br>La culture             |
| NOVEMBER  | Leçon- 8  | C'est délicieux!                  | Les articles partitifs<br>La culture , La négation  |
| DECEMBER  |           | POST MID TERM EXAMINATION         |   |
| DECEMBER  | Leçon- 9  | Ma journée                        | Les verbes pronominaux<br>La culture  |
| JANUARY   | Leçon- 10 | C'est la fête!                    | Les expressions avec faire<br>Les saisons et leurs fêtes<br>Donner des conseils < il faut/ il ne faut pas/ Vous devez/ Vous ne devez pas/impératif) |
| FEBRUARY  |           | REVISION FOR ANNUAL EXAMINATION   |   |
|           |           | ANNUAL EXAMINATION                |   |

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Leçon - 3 Un tableau magnifique!





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**MATHEMATICS**

| <b>MONTH</b>    | <b>CHAPTER</b>                  | <b>SUB-TOPIC</b>   |
|-----------------|---------------------------------|--|
| <b>APRIL</b>    | Integers                        | Properties of Integers   |
| <b>MAY</b>      | Fractions and Decimals          | Types of fractions<br>Recapitulation of previous knowledge<br><br>Comparing fractions<br><br>Addition, Subtraction, Multiplication and Division of fractions<br><br>Comparing decimals<br><br>Conversion of decimal into fraction and vice-versa<br><br>Addition, Subtraction, Multiplication and Division of decimals<br><br>Simplification of Fractions & Decimals |
| <b>MAY-JUNE</b> | <b>PRE MID TERM EXAMINATION</b> |  |
| <b>JUNE</b>     | Data Handling                   | Concept<br><br>Mean, Mode, Median<br><br>Double Bar Graph<br><br>Chance and Probability  |
| <b>JUNE</b>     | Algebraic Expressions           | Concept<br><br>Addition<br><br>Subtraction<br><br>Multiplication (monomials by monomials, binomials)   |



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|               |                                      |   |
|---------------|--------------------------------------|---|
|               |                                      | by monomials)<br>Division (by monomials)<br>Simplifications   |
| <b>JULY</b>   | Algebraic Expressions<br>(Continued) | Concept<br>Addition<br>Subtraction<br>Multiplication (monomials by monomials,<br>binomials<br>by monomials)<br>Division (by monomials)<br>Simplifications         |
| <b>JULY</b>   | Simple Equations                     | Solving equation by different methods<br>Word<br>Problems   |
| <b>JULY</b>   | Lines and Angles                     | Supplementary and Complementary angles,<br>Adjacent angles, Linear pair of angles, and<br>Vertically Opposite angles Concept of<br>Transversal and related angles |
| <b>AUGUST</b> | Triangles and Its<br>Properties      | Angle sum Property<br>Exterior Angle Property<br>Triangle Inequality Property<br>Pythagoras Theorem   |



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|                               |   |   |
|-------------------------------|---|---|
| <b>AUGUST</b>                 | Symmetry                                    | Line symmetry<br>Reflection and Rotational Symmetry<br>Order of Rotational Symmetry   |
| <b>AUGUST</b>                 | <b>REVISION FOR HALF YEARLY EXAMINATION</b> |   |
| <b>AUGUST-<br/>SEPTEMBER</b>  | <b>HALF YEARLY EXAMINATION</b>              |   |
| <b>SEPTEMBER</b>              | Rational numbers                            | Standard form Four operations   |
| <b>OCTOBER</b>                | Exponents                                   | Concepts<br>Laws of exponents<br>Simplifications<br>Standard form   |
| <b>NOVEMBER</b>               | Comparing Quantities                        | Percentage<br>Simple Interest Profit and Loss   |
| <b>NOVEMBER-<br/>DECEMBER</b> | <b>POST MID TERM EXAMINATION</b>            |   |
| <b>DECEMBER</b>               | Perimeter and Area                          | Perimeter and area of triangles (only half $\times$ base $\times$ height) and parallelogram<br>Perimeter and area of a Circle |
| <b>JANUARY</b>                | Visualising Solid Shapes                    | Faces, Edges and Vertices of solid figures<br>Net Diagram   |



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|   |  |
|---|--|
| <b>JANUARY</b>  | <b>REVISION FOR ANNUAL EXAMINATION</b> |
| <b>FEBRUARY</b>   | <b>ANNUAL EXAMINATION</b>              |
| <b>Topics from Term 1 Syllabus covered before HY Exam to be included in the Annual Exam</b> |  |
| <b>Integers</b>   | <b>Lines and Angles</b>                |
| <b>Simple Equations</b>   |  |



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**PHYSICS**

| MONTH      | CHAPTER | SUB-TOPIC  |
|------------|---------|--|
| APRIL      | HEAT    | <ul style="list-style-type: none"> <li>Introduction: Heat and temperature.</li> <li>Difference between heat and temperature.</li> <li>Measuring temperature.</li> <li>Scales of temperature: Celsius, Fahrenheit, Kelvin scale.</li> <li>Correct ways of writing units.</li> <li>Measurement of temperature on different scales.</li> <li>Conversion of different temperature scales.</li> <li>Types of thermometers: (i) Clinical thermometer, (ii) Maximum and Minimum thermometer, (iii) Digital thermometer, (iv) Laboratory thermometer.</li> <li>Difference between Clinical, Mercury and Laboratory thermometer.</li> </ul> |
| MAY - JUNE |         | <b>PRE MID TERM EXAMINATION</b>  |
| MAY        | HEAT    | <ul style="list-style-type: none"> <li>Effects of Heat. [Thermal Expansions in solids, liquids and gases]</li> <li>Mechanism of heat transfer - conduction.</li> <li>How does conduction of heat occur?</li> <li>Good and Bad conductors.</li> </ul>   |
| JUNE       | HEAT    | <ul style="list-style-type: none"> <li>Convection.</li> <li>How does convection occur?</li> <li>Radiation.</li> <li>How does radiation occur?</li> <li>Summary of heat transfer mechanism.</li> </ul>  |
| JULY       | HEAT    | <ul style="list-style-type: none"> <li>Applications of conduction.</li> <li>Application of convection.</li> <li>Application of radiation, Avection.</li> </ul> <p>Some common observations</p>   |



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|                  |  |  |
|------------------|--|--|
| <b>AUGUST</b>    | <b>MOTION AND TIME</b>                 | <ul style="list-style-type: none"><li>· Introduction</li><li>· Measurement of Time – Sundial, Hourglass (Sand clock), Jantar Mantar</li><li>· Unit of time.</li><li>· Measurement of time using periodic motion.</li><li>· Simple pendulum – Terms used to describe a pendulum.</li><li>· Motion Time and Calculation of speed [Slow and Fast]</li></ul> |
| <b>AUGUST</b>    |  | <b>REVISION FOR HALF YEARLY EXAMINATION</b>  |
| <b>AUGUST</b>    |  | <b>HALF YEARLY EXAMINATION</b>   |
| <b>SEPTEMBER</b> | <b>MOTION AND TIME</b>                 | <ul style="list-style-type: none"><li>· Uniform and Non-Uniform Speed/Motion.</li><li>· Plotting and Interpretation of Graph.</li></ul>  |
| <b>OCTOBER</b>   | <b>ELECTRIC CURRENT AND ITS EFFECT</b> | <ul style="list-style-type: none"><li>· Introduction.</li><li>· Electric current.</li><li>· How does electricity move?</li><li>· Electron flow and conventional current.</li><li>· Electric current, common electric symbols.</li><li>· Components of electric circuit.</li></ul>  |



|                 |  |   |
|-----------------|--|---|
| <b>NOVEMBER</b> | <b>ELECTRIC CURRENT AND ITS EFFECT</b> | <ul style="list-style-type: none"><li>• Heating effect of electric current.</li><li>• The electric bulb.</li><li>• LED lights.</li><li>• Electric fuses.</li><li>• Magnetic effect of electricity.</li><li>• Electromagnet, use of electromagnets.</li><li>• Electric bell.</li><li>• Hazards of electricity.</li><li>• Power cables and safety, Conserve electricity.</li></ul>  |
| <b>NOVEMBER</b> |  | <b>POST MID TERM EXAMINATION</b>  |
| <b>DECEMBER</b> | <b>LIGHT</b>                           | <ul style="list-style-type: none"><li>• Introduction.</li><li>• Ray and beam of light.</li><li>• Rectilinear propagation of light.</li><li>• Reflection of light.</li><li>• Plane mirror – Terms used in the study of reflection.</li><li>• How do we see things?</li><li>• Image formation by a plane mirror.</li><li>• Uses of plane mirror.</li><li>• Spherical mirrors.</li><li>• Real and virtual images.</li><li>• Difference between images formed by plane mirror and curved mirrors.</li></ul> |



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|                 |              |  |
|-----------------|--------------|--|
| <b>JANUARY</b>  | <b>LIGHT</b> | <ul style="list-style-type: none"><li>• Lenses – Terms related to lenses.</li><li>• Images formed by spherical lenses.</li><li>• Uses of curved lenses.</li><li>• Refraction of light – understanding refraction.</li><li>• White light is composed of many colours.</li><li>• Rainbow in the sky.</li><li>• How do we see colour?</li></ul> |
| <b>JANUARY</b>  |              | <b>REVISION FOR ANNUAL EXAMINATION</b>   |
| <b>FEBRUARY</b> |              | <b>ANNUAL EXAMINATION</b>  |

**Topics from Term 1 Syllabus covered before HY Exam to be included in the Annual Exam – MOTION AND TIME**





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**CHEMISTRY**

| <b>MONTH</b>                  | <b>CHAPTER</b>                              | <b>SUB-TOPIC</b>   |
|-------------------------------|---|--|
| <b>APRIL</b>                  | Physical and Chemical changes               | Matter and its states, Symbol of elements<br>Formulae of molecules - atomicity, valency, writing formula |
| <b>MAY</b>                    | Physical and Chemical changes               | Chemical Equation (balancing included)   |
| <b>JUNE</b>                   | <b>PRE MID TERM EXAMINATION</b>             |  |
| <b>JUNE</b>                   | Physical and Chemical changes               | Physical changes, Chemical changes<br>Difference between physical and chemical changes                   |
| <b>JULY</b>                   | Physical and Chemical changes               | Types of chemical reactions<br>Rusting of iron and its prevention<br>Crystallization                     |
|                               | Waste water story                           | Sources of waste water   |
| <b>AUGUST</b>                 | Waste water story                           | Waste water management<br>Sewage and sewer drains<br>Open drains   |
| <b>AUGUST</b>                 | <b>REVISION FOR HALF YEARLY EXAMINATION</b> |  |
| <b>AUGUST -<br/>SEPTEMBER</b> | <b>HALF YEARLY EXAMINATION</b>              |  |



|  |  |   |
|--|--|---|
| <b>SEPTEMBER</b>   | Waste water story                      | Waste water treatment plant<br>Sludge treatment<br>Alternative methods of sewage disposal |
| <b>OCTOBER</b>   | Waste water story                      | Water pollution<br>Minimum pollution generation   |
|  | Acids, bases and salts                 | Chemical substances - classification chart  |
| <b>NOVEMBER</b>  | Acids, bases and salts                 | Acids - types and properties<br>Chemical reactions of acids<br>Uses of acids              |
| <b>NOVEMBER-<br/>DECEMBER</b>  | <b>POST MID TERM EXAMINATION</b>       |   |
| <b>DECEMBER</b>  | Acids, bases and salts                 | Bases - types and properties<br>Uses of bases<br>Testing acids and bases - Indicators     |
| <b>JANUARY</b>   | Acids, bases and salts                 | Neutralisation<br>Uses of salts<br>Applications of neutralization                         |
|  | <b>REVISION FOR ANNUAL EXAMINATION</b> |   |
| <b>FEBRUARY</b>  | <b>ANNUAL EXAMINATION</b>              |   |
| <b>Topics from Term 1 Syllabus covered before HY Exam to be included in the Annual Exam:</b>             |  |   |
| Physical and Chemical changes [Writing formula of molecules and balancing of chemical equations]         |  |   |
| Waste water story [Sources of waste water, waste water management, sewage and sewer drains, open drains] |  |   |



**BIOLOGY**

| MONTH  | UNIT                              | TOPIC                    | SUB-TOPIC  |
|--------|-----------------------------------|--------------------------|--|
| APRIL  | 1                                 | Nutrition in plants      | <ul style="list-style-type: none"> <li>Nutrients and nutrition</li> <li>Types of nutrition</li> <li>Autotrophic nutrition</li> <li>Heterotrophic nutrition</li> </ul>  |
| MAY    | 1                                 | Nutrition in plants      | <ul style="list-style-type: none"> <li>Special modes of nutrition</li> </ul>   |
| JUNE   | <b>PRE – MID TERM EXAMINATION</b> |                          |  |
| JUNE   | 2                                 | Nutrition in animals     | <ul style="list-style-type: none"> <li>Introduction</li> <li>Types of heterotrophs based on food habits</li> <li>Holozoic nutrition</li> <li>Nutrition in <i>Amoeba</i></li> <li>Digestion in human beings</li> <li>Nutrition in herbivores</li> </ul> |
| JULY   | 3                                 | Respiration in organisms | <ul style="list-style-type: none"> <li>Energy from food</li> <li>Aerobic and Anaerobic respiration</li> <li>Breathing in animals</li> <li>Respiratory system in humans</li> </ul>  |
| AUGUST | 3                                 | Respiration in organisms | <ul style="list-style-type: none"> <li>Respiration system in humans</li> </ul>   |



|                                |   |                                      |   |
|--------------------------------|---|--------------------------------------|---|
|                                |   |                                      | <ul style="list-style-type: none"> <li>● Respiration in plants</li> </ul>   |
| <b>AUGUST</b>                  | <b>REVISION FOR HALF YEARLY EXAMINATION</b> |                                      |   |
| <b>AUGUST -<br/>SEPTEMBER</b>  | <b>HALF YEARLY EXAMINATION</b>              |                                      |   |
| <b>SEPTEMBER</b>               | 4   | Transportation in animals and plants | <ul style="list-style-type: none"> <li>● Transport of substances in plants</li> <li>● Transport of substances in animals</li> </ul>   |
| <b>OCTOBER</b>                 | 4   | Transportation in animals and plants | <ul style="list-style-type: none"> <li>● Excretion in animals</li> <li>● Excretion in humans</li> </ul>   |
| <b>NOVEMBER</b>                | 5   | Reproduction in Plants               | <ul style="list-style-type: none"> <li>● Asexual reproduction</li> <li>● Sexual reproduction</li> </ul>   |
| <b>NOVEMBER -<br/>DECEMBER</b> | <b>POST-MID TERM EXAMINATION</b>            |                                      |   |
| <b>DECEMBER</b>                | 5   | Reproduction in Plants               | <ul style="list-style-type: none"> <li>● Sexual reproduction (Continued)</li> </ul>   |
| <b>DECEMBER</b>                | 6   | Forests: Our lifeline                | <ul style="list-style-type: none"> <li>● Types of forests in India</li> <li>● Importance of forests</li> </ul>  |
| <b>JANUARY</b>                 | 6   | Forests: Our lifeline                | <ul style="list-style-type: none"> <li>● Overuse of natural resources</li> <li>● Forest: A sustainable ecosystem</li> <li>● Conservation of forests</li> <li>● Sensitizing the society</li> </ul> |



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|--|--|--|--|
|  |  |  | <ul style="list-style-type: none"><li>Case study</li></ul> |
| <b>JANUARY</b>   | <b>REVISION FOR ANNUAL EXAMINATION</b> |  |  |
| <b>FEBRUARY</b>  | <b>ANNUAL EXAMINATION</b>              |  |  |
| <b>Topics from Term 1 Syllabus covered before Half Yearly Examination to be included in the Annual Examination</b> |  |  |  |
| <b>Respiration in organisms</b>  |  |  |  |



**GEOGRAPHY**

| <b>MONTH</b>  | <b>CHAPTER</b>                           | <b>SUB-TOPIC</b>  |
|---------------|--|---|
| <b>APRIL</b>  | Our Environment                          | Components of Environment   |
|               |  | Natural and Human environment   |
|               | Understanding the Earth                  | Interior of the Earth - Crust   |
| <b>MAY</b>    | Understanding the Earth                  | Mantle and Core   |
| <b>JUNE</b>   | <b>PRE MID TERM EXAMINATION</b>          |   |
|               | Understanding the Earth                  | Rocks and Minerals<br>Types of Rocks - Igneous, Sedimentary and Metamorphic The Rock Cycle                              |
| <b>JUNE</b>   | Earth's Movements and Changing Landforms | Endogenic and Exogenetic Forces<br>Plate Tectonics<br>Mountain Building - Folding and Faulting<br>Earthquakes Volcanoes |
| <b>JULY</b>   | Earth's Movements and Changing Landforms | Exogenous forces - Weathering and Erosion<br>Work of river, wind and glacier  |
|               | The Atmosphere                           | Composition<br>Structure of the Atmosphere<br>Weather and Climate<br>Factors affecting temperature                      |
| <b>AUGUST</b> | The Atmosphere                           | The Heat Zones  |
|               |  | Factors influencing Atmospheric Pressure  |



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|                               |   |   |
|-------------------------------|---|---|
| <b>AUGUST</b>                 | <b>REVISION FOR HALF YEARLY EXAMINATION</b> |   |
| <b>AUGUST-<br/>SEPTEMBER</b>  | <b>HALF YEARLY EXAMINATION</b>              |   |
| <b>SEPTEMBER</b>              | The Atmosphere                              | Winds - Permanent, Periodic and Local winds         |
| <b>OCTOBER</b>                | The Atmosphere                              | Humidity - Absolute and Relative Humidity           |
|                               |   | Condensation - Types of condensation                |
|                               |   | Precipitation - Types of precipitation              |
|                               |   | Types of rainfall                                   |
| <b>NOVEMBER</b>               | The Hydrosphere                             | The Hydrological Cycle                              |
|                               |   | Fresh water and Saline Water (Oceans)               |
|                               |   | Waves & Tides                                       |
|                               |   | Ocean Currents                                      |
|                               |   | Importance of Hydrosphere                           |
| <b>NOVEMBER-<br/>DECEMBER</b> | <b>POST MID TERM EXAMINATION</b>            |   |
| <b>DECEMBER</b>               | Life in a Desert                            | The hot desert – Sahara<br>The cold desert - Ladakh |
| <b>JANUARY</b>                | Life in Tropical and Sub-Tropical region    | Amazon Basin<br>The Ganga-Brahmaputra Basin         |



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|                 |   |
|-----------------|---|
| <b>JANUARY</b>  | <b>REVISION FOR ANNUAL EXAMINATION</b>  |
| <b>FEBRUARY</b> | <b>ANNUAL EXAMINATION</b>   |
| <b>N.B.</b>     | The Human Environment, settlement, Transport and Communication Rationalised by NCERT and will not be assessed. However, it will be a part of activity based learning. |

Topics from Term 1 Syllabus covered before HY Exam to be included in the Annual Exam:

Earth's Movements and Changing Landforms- Earthquakes & Volcanoes

The Atmosphere: Factors influencing Atmospheric Pressure





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**HISTORY**

| MONTH        | CHAPTER                         | SUBTOPIC  |
|--------------|---------------------------------|---|
| <b>APRIL</b> | Where, When and How             | Periodisation in History  |
|              |                                 | Various Terms for the Indian Subcontinent                           |
|              |                                 | Sources for studying medieval Indian History                        |
| <b>MAY</b>   | Understanding Democracy         | What is Democracy?  |
|              |                                 | The advent of Democracy   |
|              |                                 | Why Democracy?  |
|              |                                 | Key Features of Democracy   |
| <b>JUNE</b>  | <b>PRE MID TERM EXAMINATION</b> |   |
| <b>JUNE</b>  | Democracy in Action             | Electoral Process   |
|              |                                 | Formation of Government   |
| <b>JUNE</b>  | New Kings and Kingdoms          | Emergence of new kingdoms in North, West and Central India          |
|              |                                 | A snapshot of Socio-Political and Economic Set-up during the period |



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|                |   |  |
|----------------|---|--|
|                |   | The Turkish Invasions  |
|                |   | Case Study: The Cholas   |
| <b>JUNE</b>    | Markets Around Us   | Departmental Stores/Shopping mall/chain store/weekly markets   |
| <b>JULY</b>    | The Delhi Sultanate                                       | Establishment of Turkish rule in India                         |
|                |   | The Slave Dynasty  |
|                |   | The Khalji Dynasty   |
|                |   | The Tughlaq Dynasty  |
|                |   | The Sayyid Dynasty   |
|                |   | Lodi Dynasty   |
| <b>AUGUST</b>  | How do State Governments work?                            | Quasi Federalism in India                                      |
|                |   | State Executive  |
|                |   | State Legislature  |
|                |   | Functions of the State Legislature                             |
| <b>AUGUST</b>  | Role of the State Government in distribution of Resources | Factors involved in the distribution of resources and services |
|                |   | Case Study: Kerala   |
| <b>AUGUST</b>  | <b>REVISION FOR HALF YEARLY EXAMINATION</b>               |  |
| <b>AUGUST-</b> | <b>HALF YEARLY EXAMINATION</b>                            |  |



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|                               |   |  |
|-------------------------------|---|--|
| <b>SEPTEMBER</b>              |   |  |
| <b>OCTOBER</b>                | Role of Gender                          | Social Aspects of Gender                     |
|                               |   | Stereotypes                                  |
|                               |   | Understanding Inequality                     |
|                               |   | Economic Aspects of Gender                   |
| <b>OCTOBER</b>                | The Mughal Empire                       | The Mughal Ancestry                          |
|                               |   | The Mughal Administration                    |
| <b>NOVEMBER</b>               | Understanding Media                     | Public Opinion                               |
|                               |   | Media  |
|                               |   | Media and Democracy                          |
| <b>NOVEMBER</b>               | Emerging Regional Cultures              | The Development of Languages                 |
|                               |   | Many Musical Modes                           |
|                               |   | Painting                                     |
| <b>NOVEMBER-<br/>DECEMBER</b> | <b>POST MID TERM EXAMINATION</b>        |  |
| <b>DECEMBER</b>               | Religious Beliefs and Popular Movements | The main Tenets of Bhakti and Sufi Movements |
|                               |   | Saints of the Bhakti and Sufi Movements      |
|                               |   | Case Study: Kabir, Guru Nanak                |
|                               |   | The Sufi Movement                            |
| <b>JANUARY</b>                | New Political formation in              | Downfall of Mughal Empire                    |



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|                 |  |   |
|-----------------|--|---|
|                 | the 18 <sup>th</sup> century           | Rise of Regional Powers<br>Case Study: The Marathas |
| <b>JANUARY</b>  | <b>REVISION FOR ANNUAL EXAMINATION</b> |   |
| <b>FEBRUARY</b> | <b>ANNUAL EXAMINATION</b>              |   |

Topics from Term 1 Syllabus covered before HY Exam to be included in the Annual Exam

|         |   |
|---------|---|
| History | New Kings and Kingdoms                          |
| Civics  | Understanding Democracy and Democracy in Action |



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**COMPUTER**



| MONTH                     | UNIT  | TOPIC                                  | SUB- TOPIC  |
|---------------------------|---|--|---|
| <b>APRIL</b>              | 1   | Playing And Editing An Audio           | Beginning with Audacity, Editing in Audacity              |
|                           | 2   | Working With Narrations                | Recording a Narrations                                    |
| <b>MAY</b>                | 2   | Working With Narrations (Continuation) | Enhancing the Narrations                                  |
| <b>JUNE</b>               | <b>PRE MID TERM EXAMINATION</b>             |  |   |
| <b>JUNE</b>               | 3   | Beginning With C++                     | Welcome to OOPS Ville, Program Creation and Execution.    |
| <b>JULY</b>               | 4   | Storing And Using Data                 | Variables and Data types, Types of Operators.             |
|                           | 5   | Using Conditional Constructs           | IF-ELSE, IF-ELSE-IF and Logical Operators.                |
| <b>AUGUST</b>             | 6   | Programming Using Loops                | PRE-TESTED Loop, POST-TESTED Loop, FIXED –EXECUTION Loop. |
| <b>AUGUST</b>             | <b>REVISION FOR HALF YEARLY EXAMINATION</b> |  |   |
| <b>AUGUST – SEPTEMBER</b> | <b>HALF YEARLY EXAMINATION</b>              |  |   |
| <b>SEPTEMBER</b>          | 7   | Storing Information Effectively        | Creating Databases, Creating Tables.                      |
| <b>OCTOBER</b>            | 7   | Storing Information Effectively        | Setting Primary Key, Inserting Data.                      |
| <b>NOVEMBER</b>           | 7   | Storing Information Effectively        | Creating Foreign Key.                                     |
|                           | 8   | Retrieving Data From                   | Managing Records, Creating                                |



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|                               |  |   |  |
|-------------------------------|--|---|--|
|                               |  | Database                                      | Queries Using Query Wizard,<br>Creating Queries Using Query Design.    |
| <b>NOVEMBER-<br/>DECEMBER</b> | <b>POST-MID-TERM EXAMINATION</b>       |   |  |
| <b>DECEMBER</b>               | 9                                      | Designing Forms And Reports                   | Creating Forms using Form Wizard,<br>Creating Forms using Design View. |
| <b>JANUARY</b>                | 9                                      | (Continuation)<br>Designing Forms And Reports | Creating Reports using Report Wizard, Formatting Reports.              |
| <b>JANUARY</b>                | <b>REVISION FOR ANNUAL EXAMINATION</b> |   |  |
| <b>FEBRUARY</b>               | <b>ANNUAL EXAMINATION</b>              |   |  |

**Topics from Term 1 Syllabus covered before HY Exam to be included in the Annual Exam:**

- I.Beginning with C++
- II.Storing and Using Data
- III.Using Conditional Constructs
- IV.Programming Using Loops



## **GENERAL KNOWLEDGE AND VALUE EDUCATION**

| <b>MONTH</b>     | <b>GENERAL KNOWLEDGE</b>       | <b>VALUE EDUCATION</b>               |
|------------------|--------------------------------|--------------------------------------|
| <b>APRIL</b>     | Nature                         | A Wise Parrot<br>The Priceless Gifts |
| <b>MAY</b>       | India                          | The Three Dolls<br>A Civic Sense     |
| <b>JUNE</b>      | Around The World               | The Path of Peace                    |
| <b>JULY</b>      | Language                       | A Man of Courage<br>Faith in God     |
| <b>AUGUST</b>    | Science<br>Current Affairs     | Sacrifice<br>Patience Pays           |
|                  | <b>HALF YEARLY EXAMINATION</b> |                                      |
| <b>SEPTEMBER</b> | <b>HALF YEARLY EXAMINATION</b> |                                      |
| <b>OCTOBER</b>   | Sports<br>Entertainment        | A Caring Heart                       |
| <b>NOVEMBER</b>  | Life Skills                    | Simple Living<br>A Little Girl       |
| <b>DECEMBER</b>  | Open the Bag of Fun            | A Simple Boy<br>Eklavya              |
| <b>JANUARY</b>   | Current Affairs                | Kind Words<br>Divine Qualities       |
| <b>FEBRUARY</b>  | <b>ANNUAL EXAMINATION</b>      |                                      |