**Course Division 2081**

**Class: V Subject- Science**

**First Term Exam**

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| **S.N.** | **Topics** | **Sub Topics** | **ETD** |
| 1. | Scientific learning | * Introduction * Scientific learning process   (Observation, Experiment, Inquiry)   * Scientific instruments and schematic diagram | **7** |
| 2. | Information, communication and technology | * Means and media of information and communication * Types of communication * Mobile phone and its uses | **5** |
| 3. | Organism and  environment | * Interrelationship between living beings   And the environment   * Importance of energy to organisms | **5** |
| 4. | Classification of living beings | * Parts of plant and their functions * Root system * Shoot system (stem) | **4** |
| 5. | Life processes | * Life processes in plants and animals * Nutrition * Respiration | **6** |
| 6. | Matter | * Matter * Properties * States of matter * Effect of heat on matter * Advantages and disadvantages of heat in daily life | **7** |
| 7. | Energy in daily life | * Light * Luminous and non-luminous object * Transparent, translucent and opaque objects * Dispersion of light | **7** |
| 8. | The earth and the space | * The sun and the solar system * Planets, dwarf planets, satellites * Asteroids and comets * Meteors and meteorites | **7** |

Remaining days can be utilized by doing practical work, viva, class projects and revision.

**Half Yearly Exam**

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| **S.N.** | **Topics** | **Sub topics** | **ETD** |
| 1. | Scientific learning | * Measurement * Measurement of length, mass, time | **6** |
| 2. | Information, communication and technology | * Computer as a means of communication * Computer and human beings | **3** |
| 3. | Organism and environment | * Sources of energy * Types of energy | **4** |
| 4. | Classification of living beings | * Parts of plants and their functions * Leaf * Flower | **6** |
| 5. | Matter | * Mixture * Types of mixture * Homogeneous and heterogeneous | **5** |
| 6. | Energy in daily life | * Sound * Sources of sound * Propagation of sound * Loudness and sharpness of sound * Effect of sharp sound | **7** |
| 7. | The earth and the space | * The earth and its motion | **4** |

Remaining days can be utilized by doing practical work, viva, class projects and revision.

**Second Term Exam**

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| **S.N.** | **Topics** | **Sub topics** | **ETD** |
| 1. | Measurement | * Measurement of volume * Use of measuring cylinder | **6** |
| 2. | Information and communication technology | * Paint software * Typing software | **8** |
| 3. | Classification of living beings | * Fruits * Seeds and its types * Monocot and dicot plants | **7** |
| 4. | Organisms and environment | * Impact of misuse of energy | **4** |
| 5. | Matter | * Separation of mixture * Hand picking * Sedimentation and decantation * Winnowing * Sieving * Filtering | **10** |
| 6. | Life processes | * Life processes in plants and animals * transportation * excretion | **6** |

Remaining days can be utilized by doing practical work, viva, class projects and revision.

**Annual Exam**

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| **S.N.** | **Topics** | **Sub topics** | **ETD** |
| 1. | Information,  communication  and technology | * Word processor | **5** |
| 2. | Energy in daily life | * Electricity * Dry cell * Electric circuit and its components * Functions of components of electric circuit * Caution while using electricity | **8** |
| 3. | Classification of living beings | * Vertebrates | **8** |
| 4. | Life processes | * Life processes * reproduction * Difference between plants and animals   on the basis of life processes | **7** |
| 5. | 5. The earth and  the space | * The Moon and its motion * Phases of the moon | **6** |

Remaining days can be utilized by doing practical work, viva, class projects and revision.