**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.