| PHASE 1 |                      |   |  |  |
|---------|----------------------|---|--|--|
| Ch. No. | Chapter Name         | Subtopics   | PT1 portion  |  |
|         | _                    |   | Total Marks: 20 Duration: 45 minutes                 |  |
| 1       | Resemblance          | What is resemblance?                                  | What is resemblance?                                 |  |
|         |                      | o Relatives   | o Relatives  |  |
|         |                      | o Twins   | o Twins  |  |
|         |                      | Similarities and Dissimilarities                      | <ul> <li>Similarities and Dissimilarities</li> </ul> |  |
|         |                      | o Height  | o Height   |  |
|         |                      | o Weight  | o Weight   |  |
|         |                      | <ul> <li>Body type/structure/size</li> </ul>          | <ul> <li>Body type/structure/size</li> </ul>         |  |
|         |                      | o Hair  | o Hair   |  |
|         |                      | o Eyes  | o Eyes   |  |
|         |                      | o Nose  | o Nose   |  |
|         |                      | <ul> <li>Role of environment</li> </ul>               | Role of environment                                  |  |
| 2       | Need a Place, Need a | Need for money  | Need for money                                       |  |
|         | Job                  | Family life and lifestyle                             | Family life and lifestyle                            |  |
|         |                      | <ul><li>Dreams and aspirations</li></ul>              | <ul><li>Dreams and aspirations</li></ul>             |  |
|         |                      | <ul><li>Debts and loans</li></ul>                     | <ul><li>Debts and loans</li></ul>                    |  |
| 3       |                      | The farming community                                 | -  |  |
|         |                      | <ul> <li>Living on loans</li> </ul>                   |  |  |
|         | Communities on the   | <ul> <li>Working in sugarcane fields</li> </ul>       |  |  |
|         | Move                 | Staying away from family                              |  |  |
|         |                      | The hope continues                                    |  |  |
| 4       | Dignity of Labour    | <ul> <li>Types of jobs</li> </ul>                     | <ul> <li>Types of jobs</li> </ul>                    |  |
|         |                      | <ul> <li>White collar and blue collar jobs</li> </ul> | White collar and blue collar jobs                    |  |
|         |                      | Dignity of labour                                     | Dignity of labour                                    |  |
| 5       | Natural Disasters    | Earthquake  | Earthquake   |  |
|         |                      | • Cyclone   | Cyclone  |  |
|         |                      | ■ Flood   | <ul><li>Flood</li></ul>                              |  |
|         |                      | <ul><li>Drought</li></ul>                             | <ul><li>Drought</li></ul>                            |  |
|         |                      | ■ Tsunami   | ■ Tsunami  |  |
|         |                      | Aid for victims                                       | Aid for victims                                      |  |
|         |                      | o First Aid   | o First Aid  |  |
|         |                      |   |  |  |

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|         | PHASE 2               |  |  |  |
|---------|-----------------------|--|--|--|
| Ch. No. | Chapter Name          | Subtopics  | HYE portion  |  |
|         |                       |  | Total Marks: 50 Duration: 2 hours                            |  |
| 6       | All About Breathing   | How do we breathe?   | How do we breathe?   |  |
|         |                       | <ul> <li>Expansion and contraction of chest</li> </ul>         | <ul> <li>Expansion and contraction of chest</li> </ul>       |  |
|         |                       | Blowing air  | <ul> <li>Blowing air</li> </ul>                              |  |
| 7       | Diseases              | Causes of malaria  | Causes of malaria  |  |
|         |                       | <ul><li>Precautions</li></ul>                                  | <ul><li>Precautions</li></ul>                                |  |
|         |                       | <ul> <li>The story of Ronald Ross</li> </ul>                   | <ul> <li>The story of Ronald Ross</li> </ul>                 |  |
|         |                       | <ul> <li>Medicines for malaria</li> </ul>                      | <ul> <li>Medicines for malaria</li> </ul>                    |  |
|         |                       | Symptoms of anaemia  | <ul> <li>Symptoms of anaemia</li> </ul>                      |  |
|         |                       | Food that helps fight anaemia                                  | <ul> <li>Food that helps fight anaemia</li> </ul>            |  |
| 8       | Super Senses of       | <ul> <li>Comparison between human and animal senses</li> </ul> | <ul><li>Comparison between human and animal senses</li></ul> |  |
|         | Animals               | <ul> <li>The nose that smells</li> </ul>                       | <ul> <li>The nose that smells</li> </ul>                     |  |
|         |                       | The eyes that see  | <ul> <li>The eyes that see</li> </ul>                        |  |
|         |                       | The ears that hear   | The ears that hear   |  |
| 10      | Conservation of       | Endangered animals   | <ul> <li>Endangered animals</li> </ul>                       |  |
|         | Animals               | <ul> <li>Using animals for trade</li> </ul>                    | <ul> <li>Using animals for trade</li> </ul>                  |  |
|         |                       | Animal products  | <ul> <li>Animal products</li> </ul>                          |  |
|         |                       | <ul> <li>Destruction of forests</li> </ul>                     | <ul> <li>Destruction of forests</li> </ul>                   |  |
| 11      | Team Spirit in Sports | Importance of team spirit                                      |  |  |
|         |                       | Role of a team leader or a coach                               |  |  |
|         |                       | <ul> <li>Gender stereotyping in sports</li> </ul>              |  |  |

**Subject: EVS** 

|         | PHASE 3           |   |   |  |
|---------|-------------------|---|---|--|
| Ch. No. |                   |   | PT2 portion                                   |  |
|         | 1                 |   | Total Marks: 20 Duration: 45 minutes          |  |
| 12      | Simple Machines   | <ul> <li>Lever</li> </ul>                     | Lever   |  |
|         | 1                 | <ul> <li>Lever of the first order</li> </ul>  | <ul> <li>Lever of the first order</li> </ul>  |  |
|         |                   | <ul> <li>Lever of the second order</li> </ul> | <ul> <li>Lever of the second order</li> </ul> |  |
|         |                   | <ul> <li>Lever of the third order</li> </ul>  | <ul> <li>Lever of the third order</li> </ul>  |  |
|         |                   | <ul><li>Wheel and axle</li></ul>              | <ul><li>Wheel and axle</li></ul>              |  |
|         |                   | <ul><li>Pulley</li></ul>                      | <ul><li>Pulley</li></ul>                      |  |
|         |                   | <ul> <li>Inclined plane</li> </ul>            | <ul> <li>Inclined plane</li> </ul>            |  |
|         |                   | <ul><li>Screw</li></ul>                       | <ul><li>Screw</li></ul>                       |  |
|         |                   | <ul><li>Wedge</li></ul>                       | <ul><li>Wedge</li></ul>                       |  |
| 13      | Plants and Seeds  | <ul> <li>Seed germination</li> </ul>          | <ul> <li>Seed germination</li> </ul>          |  |
|         |                   | <ul> <li>Structure of a seed</li> </ul>       | <ul><li>Structure of a seed</li></ul>         |  |
|         |                   | <ul> <li>Methods of seed dispersal</li> </ul> | <ul> <li>Methods of seed dispersal</li> </ul> |  |
|         |                   | o By wind                                     | o By wind                                     |  |
|         |                   | <ul> <li>By explosion</li> </ul>              | o By explosion                                |  |
|         |                   | o By water                                    | o By water                                    |  |
|         |                   | o By humans                                   | o By humans                                   |  |
|         |                   | <ul> <li>By animals</li> </ul>                | o By animals                                  |  |
|         |                   | <ul> <li>Insectivorous plants</li> </ul>      | <ul> <li>Insectivorous plants</li> </ul>      |  |
| 14      | Sound             | <ul><li>Types of sound</li></ul>              | <ul><li>Types of sound</li></ul>              |  |
|         |                   | <ul> <li>Infrasonic sound</li> </ul>          | <ul> <li>Infrasonic sound</li> </ul>          |  |
|         |                   | <ul> <li>Audible range of sound</li> </ul>    | <ul> <li>Audible range of sound</li> </ul>    |  |
|         |                   | <ul> <li>Ultrasonic sound</li> </ul>          | <ul> <li>Ultrasonic sound</li> </ul>          |  |
|         |                   | <ul> <li>Reflection of sound</li> </ul>       | <ul> <li>Reflection of sound</li> </ul>       |  |
|         |                   | <ul> <li>Good and bad reflectors</li> </ul>   | <ul> <li>Good and bad reflectors</li> </ul>   |  |
|         |                   | o Echoes                                      | o Echoes                                      |  |
|         |                   | <ul> <li>Characteristic of sound</li> </ul>   | <ul><li>Characteristic of sound</li></ul>     |  |
|         |                   | o Pitch                                       | o Pitch                                       |  |
|         |                   | o Loudness                                    | o Loudness                                    |  |
|         |                   | <ul> <li>Quality and timbre</li> </ul>        | <ul> <li>Quality and timbre</li> </ul>        |  |
|         |                   | Noise pollution                               | Noise pollution                               |  |
| 15      | Food Preservation | What is spoilt food?                          | What is spoilt food?                          |  |
|         |                   | <ul> <li>Things to observe</li> </ul>         | <ul> <li>Things to observe</li> </ul>         |  |
| 3       |                   | <ul> <li>Preserving food</li> </ul>           | <ul><li>Preserving food</li></ul>             |  |
|         |                   | How are pickles made?                         | • How are pickles made?                       |  |

| Subject: 1 | EVS |
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|         | PHASE 4             |   |   |  |
|---------|---------------------|---|---|--|
| Ch. No. |                     |   | YE portion  |  |
|         | -                   |   | Total Marks: 50 Duration: 2 hours                                 |  |
|         |                     | How do we taste food?   | How do we taste food?   |  |
| 16      | How We Taste and    | <ul> <li>Different kinds of taste</li> </ul>                      | <ul> <li>Different kinds of taste</li> </ul>                      |  |
|         | Digest Food         | <ul> <li>Importance of chewing in digestion</li> </ul>            | <ul><li>Importance of chewing in digestion</li></ul>              |  |
|         | 8                   | ■ Glucose   | <ul><li>Glucose</li></ul>   |  |
|         |                     | <ul> <li>Importance of eating healthy</li> </ul>                  | <ul><li>Importance of eating healthy</li></ul>                    |  |
| 17      | Every Drop of Water | <ul> <li>Ancient times</li> </ul>                                 | <ul><li>Ancient times</li></ul>                                   |  |
|         | Counts              | <ul> <li>Baolis or step wells</li> </ul>                          | Baolis or step wells  |  |
|         |                     | <ul> <li>Dug wells and Tube wells</li> </ul>                      | <ul><li>Dug wells and Tube wells</li></ul>                        |  |
|         |                     | <ul><li>Electric pumps, tanks and taps</li></ul>                  | <ul><li>Electric pumps, tanks and taps</li></ul>                  |  |
|         |                     | <ul> <li>Unequal distribution</li> </ul>                          | <ul><li>Unequal distribution</li></ul>                            |  |
|         |                     | What is irrigation?   | What is irrigation?   |  |
|         |                     | <ul><li>Methods of irrigation</li></ul>                           | <ul> <li>Methods of irrigation</li> </ul>                         |  |
|         |                     | Holy water  | Holy water  |  |
| 18      | Experimenting with  | What floats, sinks or mixes in water?                             | What floats, sinks or mixes in water?                             |  |
|         | Water               | o Oil and water   | <ul> <li>Oil and water</li> </ul>                                 |  |
|         |                     | <ul> <li>Solubility of water</li> </ul>                           | <ul> <li>Solubility of water</li> </ul>                           |  |
|         |                     | <ul><li>Evaporation of water</li></ul>                            | <ul><li>Evaporation of water</li></ul>                            |  |
|         |                     | How is salt made?   | How is salt made?   |  |
|         |                     | Dandi March/ Yatra  | Dandi March/ Yatra  |  |
| 19      | Fuels               | <ul> <li>Uses and types of fuel</li> </ul>                        | <ul> <li>Uses and types of fuel</li> </ul>                        |  |
|         |                     | <ul> <li>Renewable and non-renewable sources of energy</li> </ul> | <ul> <li>Renewable and non-renewable sources of energy</li> </ul> |  |
|         |                     | <ul> <li>Petrol and Diesel</li> </ul>                             | <ul><li>Petrol and Diesel</li></ul>                               |  |
|         |                     | Saving fuel   | <ul><li>Saving fuel</li></ul>                                     |  |
| 20      | Matter              | What is matter?   | • What is matter?   |  |
|         |                     | <ul> <li>Arrangement of molecules in matter</li> </ul>            | <ul> <li>Arrangement of molecules in matter</li> </ul>            |  |
|         |                     | ✓ Solids  | ✓ Solids  |  |
|         |                     | ✓ Liquids   | ✓ Liquids   |  |
|         |                     | ✓ Gases   | ✓ Gases   |  |
|         |                     | <ul> <li>Change in the state</li> </ul>                           | <ul><li>Change in the state</li></ul>                             |  |
|         |                     | <ul> <li>Properties of matter</li> </ul>                          | <ul><li>Properties of matter</li></ul>                            |  |
|         |                     | <ul> <li>Expansion and contraction</li> </ul>                     | <ul> <li>Expansion and contraction</li> </ul>                     |  |
|         |                     | <ul> <li>Malleability</li> </ul>                                  | <ul> <li>Malleability</li> </ul>                                  |  |
|         |                     | o Ductility   | <ul> <li>Ductility</li> </ul>                                     |  |
|         |                     | o Solubility  | <ul> <li>Solubility</li> </ul>                                    |  |

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|              | <ul> <li>Heat and electrical conductivity</li> </ul> | <ul> <li>Heat and electrical conductivity</li> </ul> |
|--------------|--|--|
|              | o Diffusion  | o Diffusion  |
|              | <ul> <li>Compressibility</li> </ul>                  | <ul> <li>Compressibility</li> </ul>                  |
| 21 Force, Wo | ork and Types of forces                              | <ul> <li>Types of forces</li> </ul>                  |
| Energy       | o Frictional force                                   | <ul> <li>Frictional force</li> </ul>                 |
|              | o Gravitational force                                | <ul> <li>Gravitational force</li> </ul>              |
|              | <ul> <li>Magnetic force</li> </ul>                   | <ul> <li>Magnetic force</li> </ul>                   |
|              | <ul> <li>Electrostatic force</li> </ul>              | <ul> <li>Electrostatic force</li> </ul>              |
|              | <ul><li>Work</li></ul>                               | ■ Work   |
|              | <ul><li>Energy</li></ul>                             | <ul><li>Energy</li></ul>                             |
|              | o Biomass energy                                     | o Biomass energy                                     |
|              | <ul> <li>Geothermal energy</li> </ul>                | o Geothermal energy                                  |
|              | o Tidal energy                                       | o Tidal energy                                       |
|              | <ul> <li>Energy from fossil fuels</li> </ul>         | <ul> <li>Energy from fossil fuels</li> </ul>         |
|              | <ul> <li>Nuclear energy</li> </ul>                   | o Nuclear energy                                     |