



- Question 3** State whether the following statements are true or false - [8]
- i) Steam engines use the solar energy. [     ]
  - ii) Air is not a mixture of gases. [     ]
  - iii) The food we eat comes from plants and animals. [     ]
  - iv) We wear same clothes in different seasons. [     ]
  - v) Gravity pushes the objects away from the centre of the earth. [     ]
  - vi) Light coloured clothes do not absorb much heat. [     ]
  - vii) Carbon monoxide is a poisonous gas. [     ]
  - viii) We need energy to do work. [     ]
  - ix) Milk is neither a solid nor a gas. [     ]
  - x) Rose petals are used to protect silk clothes from insects. [     ]
  - xi) A Wedge is used to lift loads. [     ]
  - xii) In desert areas, people wear raincoat and gumboots. [     ]
  - xiii) Soil erosion can be prevented by cutting down more and more trees. [     ]
  - xiv) Cooking gas is an example of a fuel. [     ]
  - xv) Pollution is a desirable change. [     ]
  - xvi) The shape of a solid always changes with change in position. [     ]

- Question 4** Match the following - [10]
- |   |            |
|---|------------|
| a) Energy used to make atom bombs                   | Axe        |
| b) Wheel and axle                                   | Wind       |
| c) Energy used to cook food                         | Slide      |
| d) Lever  | fuels      |
| e) Energy used to run an air conditioner            | Atomic     |
| f) Pulley   | Well       |
| g) Energy used to run a car                         | Solar      |
| h) Inclined plane                                   | Door knobs |
| i) Energy used by windmills to generate electricity | Electrical |
| j) Wedge  | Hammer     |

**Section – B [40 Marks]**

Answer any four questions

- Question 5** Answer the following questions - [3]
- i) How can we prevent soil erosion? [3]

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- ii) Why is fog dangerous? [3]

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- iii) Why can liquids flow while solids cannot? [4]

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- Question 6** A) What will happen if - [4]

- i) The earth loses its gravity?

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- ii) You roll a ball on a surface that is very smooth?

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- iii) You do not eat for two days?

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iv) The sun stops giving light to the Earth?

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B) Explain the process of decantation:

[3]

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C) Draw a neat and labelled diagram of water cycle:

[3]

**Question 7**

i) What kind of clothes are worn in the summer season?

[2]

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ii) What is environment made of? How have we spoilt our environment?

[4]

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iii) List four ways in which you can save water?

[4]

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**Question 8**

i) Give two differences between solids, liquids and gases -

[6]

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- ii) What is solar energy? [1]  
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- iii) How are clothes useful to us? [1½]  
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- iv) Mention the effects of using force. [1½]  
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**Question 9**

- i) What is matter? Give two examples. [1½]  
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- ii) What is the difference between dew and frost? [2]  
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- iii) How would you store woollen clothes? [1½]  
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- iv) What is a simple machine? Name any three simple machines you know of. Give one example of each. [5]  
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**Question 10**

- i) How can you help to protect the environment? [3]  
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\_\_\_\_\_  
\_\_\_\_\_
- ii) Write one word - [5]
- a) The process of making the environment around us dirty. \_\_\_\_\_
  - b) the world in which animals, plants, and people live. \_\_\_\_\_
  - c) Cutting down of trees in a large area. \_\_\_\_\_
  - d) The loss of fertile soil by rain or wind. \_\_\_\_\_
  - e) Planting trees in area which are barren / deforested / have fewer trees. \_\_\_\_\_
- iii) Why do solids have a definite shape and volume whereas liquids and gases do not? [2]  
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