CLASS 6 – Science Question Paper

Time: 3 Hours | Maximum Marks: 100

General Instructions

1. All questions are compulsory unless stated otherwise.
2. Draw neat and labelled diagrams wherever required.
3. Write answers in clear and complete sentences.

SECTION A – MCQs (20 Marks)

Q1. Choose the correct option. (10×1=10)

1. Which is a source of energy? (a) Sun (b) Stone (c) Soil (d) Sand
2. Plants prepare their food mainly in the: (a) roots (b) leaves (c) flowers (d) stem
3. Which nutrient helps in body building? (a) Proteins (b) Vitamins (c) Water (d) Minerals
4. The change of water into water vapour is called:
   (a) condensation (b) evaporation (c) freezing (d) melting
5. Which material is attracted by a magnet? (a) Wood (b) Plastic (c) Iron (d) Glass
6. The force that pulls objects towards Earth is:
   (a) friction (b) gravity (c) magnetic force (d) muscular force
7. Which organ helps us to breathe? (a) Heart (b) Lungs (c) Stomach (d) Kidney
8. A substance that dissolves in water is called (a) soluble (b) insoluble (c) opaque (d) magnetic
9. Which is a renewable source of energy? (a) Coal (b) Petroleum (c) Sunlight (d) Natural gas
10. The basic unit of life is the: (a) tissue (b) organ (c) cell (d) bone

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Q2. Fill in the blanks. (10×1=10)

1. Green plants make food by _____.
2. The process of changing water vapour into water is called _____.
3. _____ is needed for burning.
4. A magnet has two _____.
5. The Earth moves around the _____.
6. The SI unit commonly used for length is _____.
7. Animals that eat only plants are called _____.
8. The liquid part of blood is called _____.
9. A shadow is formed when light is _____ by an object.
10. _____ is the natural satellite of Earth.

SECTION B – VERY SHORT ANSWERS (20 Marks)

Q3. Answer in 1–2 sentences. (10×2=20)

1. What is a balanced diet?
2. Why do plants need sunlight?
3. What is evaporation?
4. Name two soluble substances.
5. What is a magnet?
6. Why do we need bones?
7. What is friction?
8. Name two renewable sources of energy.
9. What is a habitat?
10. Why is air important for living things?

SECTION C – SHORT ANSWERS (30 Marks)

Q4. Answer the following. (5×3=15)

1. Differentiate between transparent and opaque objects with examples.
2. Explain the three states of water.
3. Write three functions of roots.
4. What are nutrients? Name any three nutrients.
5. Explain how shadows are formed.

Q5. Answer the following. (5×3=15)

1. Explain the difference between reversible and irreversible changes with examples.
2. What are conductors and insulators? Give two examples each.
3. Explain how magnets attract and repel.
4. Why should we conserve water?
5. Describe the main parts of a plant and their functions.

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SECTION D – CASE-BASED / COMPETENCY QUESTIONS (20 Marks)

Q6. Read the situation and answer. (5×2=10)

Rohan places a steel spoon, wooden pencil, plastic ruler and iron nail near a magnet.

1. Which objects will be attracted by the magnet?
2. Which objects will not be attracted?
3. What property of the iron nail makes it attractive to the magnet?
4. Name the two poles of a magnet.
5. What happens when two similar poles are brought together?

Q7. Read the situation and answer. (5×2=10)

Meena keeps some ice cubes in a bowl. After some time, the ice melts. She then heats the water and observes steam. Later, the steam touches a cool surface and changes into water droplets.

1. What change occurs when ice melts?
2. What is the process of water changing into vapour?
3. What is the process of vapour changing into water?
4. Name the three states of water.
5. Is melting a reversible or irreversible change?

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SECTION E – LONG ANSWERS (10 Marks)

Q8. Answer the following. (2×5=10)

1. Explain the process of photosynthesis in plants. Mention the role of sunlight, water, carbon dioxide and chlorophyll.
2. Explain the water cycle with the help of these terms: **evaporation, condensation, precipitation and collection**. Draw a labelled diagram.

MARK DISTRIBUTION

Section	Marks
A – MCQs & Fill in the Blanks	20
B – Very Short Answers	20
C – Short Answers	30
D – Case-Based/Competency	20
E – Long Answers	10
TOTAL	**100**