

CLASS VI SCIENCE SAMPLE PAPER – 2

Time: 2 Hours **Maximum Marks:** 80

Instructions: Attempt all questions. Draw labelled diagrams wherever required. No answers are to be written on the question paper.

Section A – MCQs (10×1)

1. Which organ pumps blood?
2. Green pigment in leaves is called ____.
3. Which material is a conductor of electricity?
4. Which planet is known as the Red Planet?
5. Which gas is essential for respiration?
6. SI unit of length is ____.
7. Which is a herb?
8. A habitat of camel is ____.
9. Separation by filtration is used for ____.
10. The Earth rotates about its ____.

Section B – Very Short Answer (5×2)

11. Define habitat.
12. Name two components of food.
13. State two properties of magnets.
14. Differentiate transparent and opaque objects.
15. Name any four constellations or celestial objects studied.

Section C – Short Answer (6×3)

16. Explain photosynthesis.
17. Describe the process of separation by sedimentation and decantation.
18. Write differences between living and non-living things.
19. Explain the functions of the digestive system.
20. Draw and label a simple electric circuit.
21. Explain adaptation in aquatic animals.

Section D – Long Answer (4×5)

22. Describe the journey of food through the human digestive system.
23. Explain methods of separation of substances with suitable examples.
24. Describe different types of motions with examples.
25. Explain components of the solar system.

Section E – HOTS/Case Study

26. A farmer observes yellow leaves in crops. Suggest possible nutrient deficiency observations and questions based on plant nutrition.

27. During a power cut, design a simple circuit using a cell, switch and bulb, and explain how it works.