



Nishant eAcademy

CBSE Sample Paper Class 8 Science 2023-24

Subject: Science Class: 8 Maximum Marks: 80 Duration: 2 hours

Section A: Multiple Choice Questions (Each question carries 1 mark)

1. Which of the following is a non-metal? (a) Iron (b) Silver (c) Gold (d) Carbon
2. Which of the following is an example of a chemical change? (a) Melting of ice (b) Boiling of water (c) Burning of wood (d) Dissolving salt in water
3. Which of the following is NOT a source of renewable energy? (a) Solar energy (b) Wind energy (c) Coal (d) Hydroelectric energy

Section B: Short Answer Type Questions (Each question carries 2 marks)

4. What is the function of the nucleus in a cell?
5. State two ways in which we can prevent the spread of communicable diseases.

Section C: Long Answer Type Questions (Each question carries 3 marks)

6. Explain the process of photosynthesis in plants.
7. Differentiate between reflection and refraction of light.

Section D: Application-based Questions (Each question carries 5 marks)

8. A student conducted an experiment to find out the effect of sunlight on the growth of plants. She placed one plant near a window receiving sunlight and another plant in a dark room. After a week, she observed that the plant near the window grew taller and greener than the plant in the dark room. Explain the observations and the reason behind them.
9. An object is placed at a distance of 15 cm in front of a concave mirror. The image formed is virtual, erect, and magnified. Draw a ray diagram to show the formation of the image and label the following: object, image, and the center of curvature.