



Nishant eAcademy

CBSE Sample Paper Class 8 Science 2020-21

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) Oxygen (c) Copper (d) Sodium
2. Which of the following is a greenhouse gas? (a) Nitrogen (b) Oxygen (c) Carbon dioxide (d) Hydrogen
3. 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

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

4. Explain the process of photosynthesis in plants.
5. What is the function of the nucleus in a cell?

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

6. Define force. Give three examples of situations where force is applied.
7. Explain the difference between renewable and non-renewable sources of energy. Give two examples of each.

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

8. A car is moving with a speed of 40 km/h. Calculate its speed in m/s.
9. Draw a labelled diagram of the human respiratory system and explain the process of breathing.