



परमाणु ऊर्जा शिक्षण संस्था
Atomic Energy Education Society
उत्तर कुंजी / Answer Key (2025-26)

कक्षा /Class: VII विषय /Subject: Science माह/ Month: _____ अंक/Marks: 40
दिया गया पाठ्यक्रम/Portion covered: CHAPTER –1 – The Ever-Evolving World of Science

Multiple Choice Questions

(1 mark)

1. Answer: (b) It involves questioning and discovery
2. Answer: (b) Symbols of creativity and exploration
3. Answer: (b) Melting of ice
4. Answer: (c) Earth's rotation
5. Answer: (b) Observing plant growth
6. Answer: (c) Reveals cosmic phenomena
7. Answer: (c) Burning wood
8. Answer: (b) Asking questions and experimenting
9. Answer: (b) Time
10. Answer: (c) If it connects to real-world curiosity

II. Assertion-Reason Questions:

(4 Marks)

11. Answer: (a) Assertion (A) and Reason (R) both are correct statements and reason is the correct explanation for assertion.
12. Answer: (c) Assertion (A) is a correct statement but the Reason (R) is a wrong statement.
13. Answer: (a) Assertion (A) and Reason (R) both are correct statements and reason is the correct explanation for assertion.
14. Answer: (d) Assertion (A) is a wrong statement but the Reason (R) is a correct statement.

III. The following question is case-based. Read the case carefully and answer the questions that follow.

(4 Marks)

15. Answer: (b) Chemical and irreversible
16. Answer: (c) It reacts with bases like soap
17. Answer: (c) Scientific curiosity and observation
18. Answer: (c) Burning paper

IV. Short Answer type questions

(2 Marks)

19. A reversible change is a change that can be undone, allowing the material to return to its original state. Example: Melting of ice.
20. Plants make their own food through a process called photosynthesis using sunlight, water, and carbon dioxide.
21. Curiosity important in science because it drives questioning, exploration, and discovery.
22. Experimentation is crucial in science as it helps to test ideas and understand concepts practically.
23. Humans measure time by observing the movement of shadows under sunlight in olden days.

V. Long Answer type questions

(3 Marks)

24. Light and shadows are fundamental to understanding many celestial phenomena. Light and shadows help to explain day and night, eclipses, and the movement of celestial bodies. Observing shadows led to early timekeeping and understanding Earth's rotation.
 25. Discoveries in one field often inspire others. For example, understanding heat in physics helps explain melting glaciers in environmental science. Chemistry and biology overlap in studying photosynthesis.
 26. Questions lead to inquiry. It helps to explore more and foster deeper understanding. That opens new areas of research and help to refine existing knowledge.
 27. Science aims to produce reliable knowledge and technologies, but these advancements must be pursued responsibly. Scientific discoveries must be used wisely. For example, understanding climate change through science encourages responsible actions like reducing pollution and conserving resources.
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