



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

विद्यार्थी का नाम/Name of the student: _____

अनुक्रमांक /Roll No. _____ कक्षा/अनुभाग Class /Sec.: _____ दिनांक /Date: _____

Multiple Choice Questions

(1 mark)

1. Why is science called a process?

- (a) It's based on memorization
- (b) It involves questioning and discovery
- (c) It's only about experiments
- (d) It never changes

2. What does the butterfly and paper plane symbol represent in the textbook?

- (a) Toys used in science
- (b) Symbols of creativity and exploration
- (c) Tools for air pressure
- (d) Historical inventions

3. Which of the following is a reversible change?

- (a) Ripening of fruit
- (b) Melting of ice
- (c) Burning of paper
- (d) Rusting of iron

4. What causes day and night?

- (a) Earth's revolution
- (b) Moon's rotation
- (c) Earth's rotation
- (d) Sun's movement

5. Which activity promotes scientific thinking?

- (a) Memorizing facts
- (b) Observing plant growth
- (c) Watching movies

- (d) Reading fiction
6. What is the role of light in scientific discovery?
- (a) Helps plants grow
 - (b) Creates shadows
 - (c) Reveals cosmic phenomena
 - (d) Used in games
7. Which of these is an irreversible change?
- (a) Melting ghee
 - (b) Freezing water
 - (c) Burning wood
 - (d) Dissolving salt
8. What is the scientific mindset?
- (a) Accepting all facts
 - (b) Asking questions and experimenting
 - (c) Memorizing answers
 - (d) Relying on books
9. What does the movement of shadows help measure?
- (a) Temperature
 - (b) Time
 - (c) Speed
 - (d) Distance
10. What makes a discovery meaningful?
- (a) If it's surprising
 - (b) If it's published
 - (c) If it connects to real-world curiosity
 - (d) If it wins awards

II. Assertion-Reason Questions:

(4 Marks)

Two statements are given for questions 11 to 14: Assertion (A) and Reason (R). Select the correct answer to these questions from the codes (a), (b), (c), and (d) as given below:

- (a) Assertion (A) and Reason (R) both are correct statements and reason is the correct explanation for assertion.**
- (b) Assertion (A) and Reason (R) both are correct statements and reason is not the correct explanation for assertion.**
- (c) Assertion (A) is a correct statement but the Reason (R) is a wrong statement.**
- (d) Assertion (A) is a wrong statement but the Reason (R) is a correct statement.**

11. **Assertion:** Science is a process of discovery.

Reason: It involves asking questions and conducting experiments.

12. **Assertion:** Burning of paper is reversible.

Reason: It can be changed back to paper.

13. **Assertion:** Shadows help us understand celestial movements.

Reason: They explain eclipses and Earth's rotation.

14. **Assertion:** Earth's rotation causes seasons.

Reason: Earth's tilt and revolution cause seasons.

III. The following question is case-based. Read the case carefully and answer the questions that follow. (4 Marks)

During lunch break, Aarav accidentally spills turmeric (haldi) on his white shirt. At home, his mother tries to wash it with soap. Instead of removing the stain, it turns reddish-brown. Aarav is curious and asks his teacher about the change.

15. What kind of change occurred when the turmeric stain turned reddish-brown?

- (a) Physical and reversible
- (b) Chemical and irreversible
- (c) Physical and irreversible
- (d) Chemical and reversible

16. Which property of turmeric caused the colour change?

- (a) It reacts with acids
- (b) It is a natural dye
- (c) It reacts with bases like soap
- (d) It dissolves in water

17. What does this activity promote in students?

- (a) Memorization of facts
- (b) Artistic creativity
- (c) Scientific curiosity and observation
- (d) Fear of stains

18. Which of the following is a similar example of a chemical change?

- (a) Melting butter
- (b) Freezing water
- (c) Burning paper
- (d) Dissolving salt

IV. Short Answer type questions**(2 Marks)**

19. What is a reversible change? Give one example.
20. How do plants make their own food?
21. Why is curiosity important in science?
22. What is the role of experimentation in science?
23. How did early humans measure time?

V. Long Answer type questions**(3 Marks)**

24. Explain the importance of light and shadows in understanding celestial phenomena.
25. How are different fields of science interconnected?
26. Why is asking questions more important than just finding answers in science?
27. Describe how science is connected to responsibility.