

CLASS 6 | SESSION 2026-27

Total Questions : 50 Time : 1 hr.

PATTERN & MARKING SCHEME

Section	No. of Questions	Marks per Ques.	Total Marks
(1) Logical Reasoning	15	1	15
(2) Subject Reasoning	20	1	20
(3) Everyday Application	10	1	10
(4) Achievers Section	5	3	15
Total	50	--	60

SYLLABUS

Section 1 Verbal and Non-Verbal Reasoning

Section 2 The Wonderful World of Science, Food and Its Components, Materials Around Us, A Journey through States of Water, Methods of Separation, The Living World and Its Diversity, Exploring Magnets, Measurement of Length and Motion, Temperature and Its Measurement, Beyond Earth, Natural Resources

Section 3 Higher Order Thinking Questions - Syllabus as per Section - 2

HOW TO USE THIS PAPER

- Every question is followed immediately by its answer.
- Try each question on your own first, then check the green answer card.
- Use the answer key at a glance on the last page for a quick revision.

TEST DAY INSTRUCTIONS

- The paper has 50 questions carrying a total of 60 marks.
- All questions are compulsory and there is no negative marking.
- Duration is 1 hour - aim for about 60 seconds per question.
- Read every question carefully before choosing your option.

SCORING STRATEGY

- Attempt the Logical Reasoning section first - it is the quickest to score.
- Take the 3-mark Achievers questions after finishing the 1-mark questions.
- Revisit every skipped question during the last ten minutes.

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QUESTION 1

Logical Reasoning · Logical Reasoning

1. Find the total duration of time from 8:45 a.m. to 3:07 p.m. on the same day.
(A) 5 hours 20 minutes (B) 6 hours 22 minutes
(C) 7 hours 22 minutes (D) 6 hours 18 minutes

ANSWER & STEP-BY-STEP EXPLANATION

Correct: (B)

- Identify the underlying pattern and concepts under Pattern recognition & spatial ordering.
- Applying the principles of Science for Class 6, evaluate the given options systematically.
- Option (B) satisfies all required conditions and yields the correct result.

QUESTION 2

Logical Reasoning · Logical Reasoning

2. In a certain code language, if SIXTH is written as 80, then how will CLASS be written in the same code language?
(A) 54 (B) 48 (C) 60 (D) 42

ANSWER & STEP-BY-STEP EXPLANATION

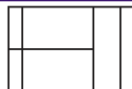
Correct: (A)

- Identify the underlying pattern and concepts under Analytical grouping & Venn classification.
- Applying the principles of Science for Class 6, evaluate the given options systematically.
- Option (A) satisfies all required conditions and yields the correct result.

QUESTION 3

Logical Reasoning · Science Reasoning

3. Find the number of rectangles formed in the given figure.
(A) 12 (B) 13
(C) 14 (D) More than 14



ANSWER & STEP-BY-STEP EXPLANATION

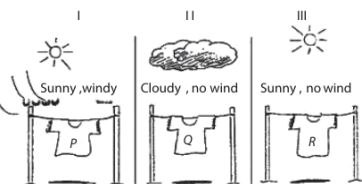
Correct: (D)

- Identify the underlying pattern and concepts under Physics: Motion, force & energy principles.
- Applying the principles of Science for Class 6, evaluate the given options systematically.
- Option (D) satisfies all required conditions and yields the correct result.

QUESTION 4

Science · Science Reasoning

4. Three similar T-shirts made up of the same fabric were soaked in the same amount of water. The T-shirts were then left to dry in the open under different conditions (I, II and III) as shown in the diagrams. Starting with the T-shirt that will take shortest time to dry, arrange the three T-shirts in order of their rate of drying.



- (A) $Q > R > P$ (B) $R > P > Q$ (C) $P > R > Q$ (D) $Q > P > R$

ANSWER & STEP-BY-STEP EXPLANATION

Correct: (C)

- Identify the underlying pattern and concepts under Chemistry: Matter, atomic structure & reactions.
- Applying the principles of Science for Class 6, evaluate the given options systematically.
- Option (C) satisfies all required conditions and yields the correct result.

QUESTION 5

Science · Science Reasoning

5. Which of the following statements is/are correct?
- To measure distances correctly, reference point must be selected first.
 - For a particle to be in state of motion, its position must be constant at different instances of time.

ANSWER & STEP-BY-STEP EXPLANATION

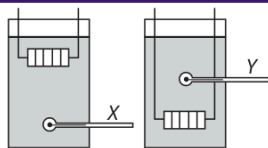
Correct: (C)

- Identify the underlying pattern and concepts under Biology: Cell structure & life processes.
- Applying the principles of Science for Class 6, evaluate the given options systematically.
- Option (C) satisfies all required conditions and yields the correct result.

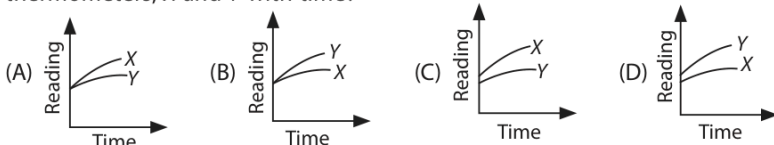
QUESTION 6

Science · Science Reasoning

6. The diagram shows two setups each consisting of a container filled with water, a heater and a thermometer. The positions of the heater and the thermometer, and initial thermometer readings differ in both the setups.



Which of the following graphs represents the approximate variations of the readings of the thermometers, X and Y with time?



ANSWER & STEP-BY-STEP EXPLANATION

Correct: (D)

- Identify the underlying pattern and concepts under Environmental science & natural resources.
- Applying the principles of Science for Class 6, evaluate the given options systematically.
- Option (D) satisfies all required conditions and yields the correct result.

QUESTION 7

Science · Science Reasoning

7. Read the given statements and select the correct option.
- Statement I :** It is advised to eat sources of vitamin C raw.
- Statement II :** Vitamin C may get destroyed if heated.
- Both statements I and II are true and statement II is the correct explanation of statement I.
 - Both statements I and II are true but statement II is not the correct explanation of statement I.
 - Statement I is true but statement II is false.
 - Both statements I and II are false.

ANSWER & STEP-BY-STEP EXPLANATION

Correct: (A)

- Identify the underlying pattern and concepts under Physics & Chemistry application problems.
- Applying the principles of Science for Class 6, evaluate the given options systematically.
- Option (A) satisfies all required conditions and yields the correct result.

QUESTION 8

Science · Science Reasoning

- 8.** Which among the given diseases is/are transmitted by female mosquitoes?
(A) Malaria (B) Dengue (C) Chikungunya (D) All of these

ANSWER & STEP-BY-STEP EXPLANATION

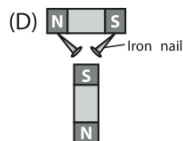
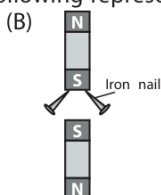
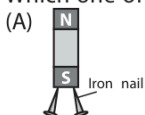
Correct: (D)

- Identify the underlying pattern and concepts under Biological systems & organism adaptations.
- Applying the principles of Science for Class 6, evaluate the given options systematically.
- Option (D) satisfies all required conditions and yields the correct result.

QUESTION 9

Achievers Section · Achievers Section

- 9.** Which one of the following representations is incorrect?



ANSWER & STEP-BY-STEP EXPLANATION

Correct: (D)

- Identify the underlying pattern and concepts under HOTS: Advanced scientific experiment analysis.
- Applying the principles of Science for Class 6, evaluate the given options systematically.
- Option (D) satisfies all required conditions and yields the correct result.

QUESTION 10

Achievers Section · Achievers Section

10. Read the given statements and select the option that correctly identifies them as true (T) or false (F) ones.

- (i) Mustard plant is a herb which completes its life cycle in two years.
- (ii) Stilt roots grow downwards and provide extra support to the plant.
- (iii) Plants having fibrous roots are usually easily pulled out from the ground.
- (iv) Leaf tendrils are found in *Gloriosa* plant.
- (v) *Hibiscus* plant has simple leaves with reticulate venation.

(i) (ii) (iii) (iv) (v)

(A) T T F T F

(C) F T F T F

(i) (ii) (iii) (iv) (v)

(B) F T T T T

(D) T F F F T

ANSWER & STEP-BY-STEP EXPLANATION

Correct: (B)

- Identify the underlying pattern and concepts under HOTS: Multi-statement scientific inference.
- Applying the principles of Science for Class 6, evaluate the given options systematically.
- Option (B) satisfies all required conditions and yields the correct result.

ANSWER KEY AT A GLANCE

Q1
(B)

Q2
(A)

Q3
(D)

Q4
(C)

Q5
(C)

Q6
(D)

Q7
(A)

Q8
(D)

Q9
(D)

Q10
(B)

REVISION NOTES

- Attempt the section you are strongest in first - it is the quickest to score.
- Aim for about 60 seconds per question and keep an eye on the clock.
- Re-read the question before choosing an option; watch for 'NOT' and 'EXCEPT'.
- Skip and mark anything you are unsure of, then revisit it in the last ten minutes.
- Practise chapter-wise to build both speed and accuracy before the exam.

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