

CLASS 4 | 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** Core Science concepts and their applications.
- Section 3** Everyday application of Science.
- Section 4** Higher Order Thinking Skills (HOTS) questions.

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. There is a certain relationship between the pair of figures on the either side of ::. Identify the relationship between the given pair and find the missing figure.



ANSWER & STEP-BY-STEP EXPLANATION

Correct: (A)

- Identify the underlying pattern and concepts under Pattern recognition & spatial ordering.
- Applying the principles of Science for Class 4, evaluate the given options systematically.
- Option (A) satisfies all required conditions and yields the correct result.

QUESTION 2

Logical Reasoning · Logical Reasoning

2. Find the missing number, if a certain rule is followed either row-wise or column-wise.

8	6	28
6	3	18
4	7	?

(A) 26

(B) 22

(C) 21

(D) 25

ANSWER & STEP-BY-STEP EXPLANATION

Correct: (B)

- Identify the underlying pattern and concepts under Analytical grouping & Venn classification.
- Applying the principles of Science for Class 4, evaluate the given options systematically.
- Option (B) satisfies all required conditions and yields the correct result.

QUESTION 3

Logical Reasoning · Science Reasoning

3. How many minimum number of straight lines are required to draw the given figure?



(A) 18

(B) 16

(C) 14

(D) 11

ANSWER & STEP-BY-STEP EXPLANATION

Correct: (C)

- Identify the underlying pattern and concepts under Physics: Motion, force & energy principles.
- Applying the principles of Science for Class 4, evaluate the given options systematically.
- Option (C) satisfies all required conditions and yields the correct result.

QUESTION 4

Science · Science Reasoning

4. Select the correct option to complete the given analogy.

Pitcher plant : Insectivorous plant :: _____ : Parasitic plant

- (A) Duckweed (B) Venus flytrap (C) Dodder (D) Cactus

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 4, evaluate the given options systematically.
- Option (C) satisfies all required conditions and yields the correct result.

QUESTION 5

Science · Science Reasoning

5. Unscramble the given letters and select the option that gives the name of an endoparasite.

- (A) CIEL (B) AFEL (C) OQIMSUOT (D) PMOTEWRA

ANSWER & STEP-BY-STEP EXPLANATION

Correct: (D)

- Identify the underlying pattern and concepts under Biology: Cell structure & life processes.
- Applying the principles of Science for Class 4, evaluate the given options systematically.
- Option (D) satisfies all required conditions and yields the correct result.

QUESTION 6

Science · Science Reasoning

6. Which of the following can be separated by using a separating funnel?

- (A) Oil and water (B) Common salt and water
(C) Rice grains and chaff (D) Chalk powder and water

ANSWER & STEP-BY-STEP EXPLANATION

Correct: (A)

- Identify the underlying pattern and concepts under Environmental science & natural resources.
- Applying the principles of Science for Class 4, evaluate the given options systematically.
- Option (A) satisfies all required conditions and yields the correct result.

QUESTION 7

Science · Science Reasoning

7. Select the option that contains same type of simple machines as pliers.

- (A) Slide, Knife, Bottle cap (B) Pen cap, Ramp, Steering wheel
(C) Bottle opener, See-saw, Nut cracker (D) Scissors, Knife, Screwdriver

ANSWER & STEP-BY-STEP EXPLANATION

Correct: (C)

- Identify the underlying pattern and concepts under Physics & Chemistry application problems.
- Applying the principles of Science for Class 4, evaluate the given options systematically.
- Option (C) satisfies all required conditions and yields the correct result.

QUESTION 8

Science · Science Reasoning

8. Study the given relationship based on their root type and select the option that satisfies the same relationship.

Turnip : Onion



ANSWER & STEP-BY-STEP EXPLANATION

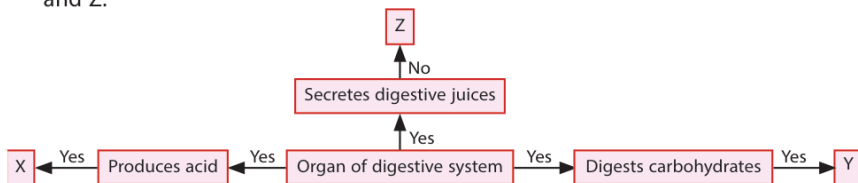
Correct: (A)

- Identify the underlying pattern and concepts under Biological systems & organism adaptations.
- Applying the principles of Science for Class 4, evaluate the given options systematically.
- Option (A) satisfies all required conditions and yields the correct result.

QUESTION 9

Achievers Section · Achievers Section

9. Refer to the given flow chart and select the option that correctly identifies X, Y and Z.



- (A) X - Large intestine, Y - Mouth, Z - Stomach
 (B) X - Pancreas, Y - Food pipe, Z - Oesophagus
 (C) X - Stomach, Y - Small intestine, Z - Food pipe
 (D) X - Small intestine, Y - Anus, Z - Large intestine

ANSWER & STEP-BY-STEP EXPLANATION

Correct: (C)

- Identify the underlying pattern and concepts under HOTS: Advanced scientific experiment analysis.
- Applying the principles of Science for Class 4, evaluate the given options systematically.
- Option (C) 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 identifies the INCORRECT one(s).

- (i) Radioactive wastes dumped into soil causes soil pollution.
 - (ii) Overgrazing of land by animals like cow and buffalo can cause increased soil erosion.
 - (iii) Building embankments along river sides can prevent soil erosion due to wind.
 - (iv) Cutting hill slopes into steps and planting trees there can prevent soil erosion.
- (A) (i) and (iii) only (B) (iii) only (C) (ii) and (iv) only (D) (iv) only

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 4, evaluate the given options systematically.
- Option (B) satisfies all required conditions and yields the correct result.

ANSWER KEY AT A GLANCE

Q1
(A)

Q2
(B)

Q3
(C)

Q4
(C)

Q5
(D)

Q6
(A)

Q7
(C)

Q8
(A)

Q9
(C)

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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