

CLASS 9 | 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 Motion, Force and Laws of Motion, Gravitation, Work and Energy, Sound, Matter in Our Surroundings, Is Matter Around Us Pure? Atoms and Molecules, Structure of the Atom, Cell-The Fundamental Unit of Life, Tissues, Diversity in Living Organisms, Human Health and Diseases, Improvement in Food Resources

Section 3 Higher Order Thinking Questions - Syllabus as per Section - 2. targetexams.com
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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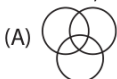
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QUESTION 1

Logical Reasoning · Logical Reasoning

1. Which of the following Venn diagrams best represents the relationship amongst, "Soldiers, Women and Indians"?



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

QUESTION 2

Logical Reasoning · Logical Reasoning

2. Select the odd one out.

(A) FQKV

(B) MDQH

(C) TPXS

(D) CJGN

ANSWER & STEP-BY-STEP EXPLANATION

Correct: (C)

- Identify the underlying pattern and concepts under Analytical grouping & Venn classification.
- Applying the principles of Science for Class 9, evaluate the given options systematically.
- Option (C) satisfies all required conditions and yields the correct result.

QUESTION 3

Logical Reasoning · Science Reasoning

3. Select the correct water image of the given word.

INSTRUMENTS

(A) SINEMURISNI

(B) INSTKUMENLT

(C) 2TUTREMT2WI

(D) 2TNEUMET2WI

ANSWER & STEP-BY-STEP EXPLANATION

Correct: (B)

- Identify the underlying pattern and concepts under Physics: Motion, force & energy principles.
- Applying the principles of Science for Class 9, evaluate the given options systematically.
- Option (B) satisfies all required conditions and yields the correct result.

QUESTION 4

Science · Science Reasoning

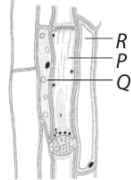
4. Identify the labelled parts *P*, *Q* and *R* in the given figure and select the incorrect statement regarding them.

(A) The end wall of *P* is perforated with numerous pores and it does not have nucleus.

(B) *Q* is metabolically active cell that helps in conduction of food material.

(C) *R* is living parenchymatous cell that helps in the storage of food.

(D) *P*, when mature, is thick-walled and elongated containing dense cytoplasm and large elongated nucleus.



ANSWER & STEP-BY-STEP EXPLANATION

Correct: (D)

- Identify the underlying pattern and concepts under Chemistry: Matter, atomic structure & reactions.
- Applying the principles of Science for Class 9, evaluate the given options systematically.
- Option (D) satisfies all required conditions and yields the correct result.

QUESTION 5

Science · Science Reasoning

5. Select the correct match.
- (A) Johannes E. Purkinje — Sarcode
 - (B) M.J. Schleiden — Plants are composed of cells
 - (C) Haeckel — Cell arises from pre-existing cells
 - (D) Rudolf Virchow — Nucleus transmits heredity informations

ANSWER & STEP-BY-STEP EXPLANATION

Correct: (B)

- Identify the underlying pattern and concepts under Biology: Cell structure & life processes.
- Applying the principles of Science for Class 9, evaluate the given options systematically.
- Option (B) satisfies all required conditions and yields the correct result.

QUESTION 6

Science · Science Reasoning

6. Two particles M and N have the composition as shown in the table :

Particle	Number of electrons	Number of neutrons	Number of protons
M	10	12	11
N	10	12	12

Which of the following statements is correct about the given particles?

- (A) Both M and N are cations.
- (B) Nucleon numbers of M and N are 23 and 24 respectively.
- (C) Particle M is Na^+ and particle N is Mg^{2+} .
- (D) All of these

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

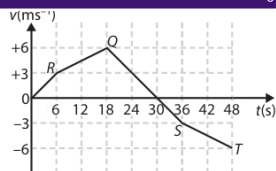
QUESTION 7

Science · Science Reasoning

7. The motion of a particle in a straight line is depicted through the given velocity (v)- time (t) graph.

Which of the following statements is/are correct about the motion of the particle?

- (i) The distance travelled by particle in duration 6s to 18s is greater than 50 m.
 - (ii) The acceleration of the particle in duration $t = 18\text{s}$ to $t = 30\text{s}$ is -0.5 ms^{-2} .
 - (iii) The displacement of the particle during $t = 10\text{s}$ to $t = 25\text{s}$ is less than the distance travelled by particle in the same span.
- (A) (i) and (ii) only (B) (ii) only (C) (iii) only (D) (i), (ii) and (iii)



ANSWER & STEP-BY-STEP EXPLANATION

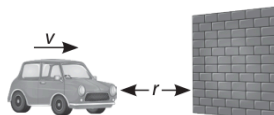
Correct: (A)

- Identify the underlying pattern and concepts under Physics & Chemistry application problems.
- Applying the principles of Science for Class 9, evaluate the given options systematically.
- Option (A) satisfies all required conditions and yields the correct result.

QUESTION 8

Science · Science Reasoning

8. Mohan is driving a car with velocity v on the road and suddenly sees a broad wall in front of him at a distance r as shown in the given figure.



He has two alternatives either to apply brakes instantly or take a sharp turn. Which one of the following correctly represents the course of action, taken by Mohan and reason behind it to avoid direct strike with the wall?

- (A) Mohan should take a sharp turn as it will be easier for the moving car to turn and avoid collision because turning will require less amount of force to be applied.
- (B) Mohan should apply brakes instantly as it will require less amount of force to be applied.
- (C) Both applying brake and taking a sharp turn, will require equal amount of force to be applied.
- (D) It is not possible to avoid collision in any case.

ANSWER & STEP-BY-STEP EXPLANATION

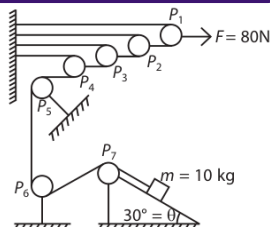
Correct: (B)

- Identify the underlying pattern and concepts under Biological systems & organism adaptations.
- Applying the principles of Science for Class 9, evaluate the given options systematically.
- Option (B) satisfies all required conditions and yields the correct result.

QUESTION 9

Achievers Section · Achievers Section

9. In the given figure, all the pulleys and strings are massless and all the surfaces are frictionless. A small block of mass m is placed on a fixed wedge. What is the acceleration of the block?
- (A) 4.5 ms^{-2} down the incline
(B) 4.5 ms^{-2} up the incline
(C) 5 ms^{-2} down the incline
(D) Zero



ANSWER & STEP-BY-STEP EXPLANATION

Correct: (A)

- Identify the underlying pattern and concepts under HOTS: Advanced scientific experiment analysis.
- Applying the principles of Science for Class 9, evaluate the given options systematically.
- Option (A) satisfies all required conditions and yields the correct result.

QUESTION 10

Achievers Section · Achievers Section

10. Plant cell does not burst in a hypotonic solution because _____.
- (i) Its cell sap is more concentrated (ii) Its cell wall resists bursting
(iii) Its cell sap is rich in cellulose (iv) It does not have lysosomes
(A) (i) only (B) (ii) only (C) (i) and (iii) only (D) (i), (ii) and (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 9, evaluate the given options systematically.
- Option (B) satisfies all required conditions and yields the correct result.

ANSWER KEY AT A GLANCE

Q1 (A)	Q2 (C)	Q3 (B)	Q4 (D)	Q5 (B)	Q6 (D)	Q7 (A)	Q8 (B)	Q9 (A)	Q10 (B)
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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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