

JNVST

Jawahar Navodaya Vidyalaya Selection Test

CLASS 6 ENTRANCE EXAM — MOST IMPORTANT QUESTIONS

Mental Ability Test • Arithmetic Test • Language Test

JAI GOVIND PUBLIC SCHOOL

Exam Pattern

Section	No. of Questions	Marks	Time
Mental Ability Test	40	50	50 minutes
Arithmetic Test	20	25	25 minutes
Language Test	20	25	25 minutes
Total	80	100	95 minutes

Section 1 : Mental Ability Test (MAT)

The Mental Ability Test checks a student's power of reasoning and observation. It has two parts — Verbal (word and number-based) and Non-Verbal (figure/image based). Practice every type below carefully.

1.1 Odd One Out (Classification)

Q1. Find the odd one out.

- | | |
|------------|------------|
| (A) Apple | (B) Mango |
| (C) Potato | (D) Banana |

Q2. Find the odd one out.

- | | |
|--------------|------------|
| (A) Triangle | (B) Square |
| (C) Circle | (D) Cube |

Q3. Find the odd one out.

- | | |
|-----------|-------------|
| (A) Delhi | (B) Mumbai |
| (C) India | (D) Chennai |

Q4. Find the odd one out.

- | | |
|------------|------------|
| (A) Pen | (B) Pencil |
| (C) Eraser | (D) Book |

Q5. Find the odd one out.

- | | |
|-------------|--------------|
| (A) Cricket | (B) Football |
| (C) Hockey | (D) Chess |

1.2 Analogy (Word Relationship)

Q6. Doctor : Hospital :: Teacher : ?

- | | |
|------------|------------|
| (A) Office | (B) School |
| (C) Home | (D) Shop |

Q7. Foot : Kilometre :: Gram : ?

- | | |
|--------------|----------------|
| (A) Litre | (B) Metre |
| (C) Kilogram | (D) Centimetre |

Q8. Bird : Nest :: Man : ?

- | | |
|----------|-----------|
| (A) Cave | (B) House |
| (C) Tree | (D) Hotel |

Q9. Water : Liquid :: Ice : ?

- | | |
|------------|-----------|
| (A) Gas | (B) Solid |
| (C) Vapour | (D) Steam |

Q10. Pen : Write :: Knife : ?

- | | |
|----------|---------|
| (A) Cook | (B) Cut |
|----------|---------|

(C) Sharpen

(D) Peel

1.3 Number & Alphabet Series

Q11. 2, 4, 6, 8, ?

(A) 9

(B) 10

(C) 12

(D) 14

Q12. 5, 10, 20, 40, ?

(A) 50

(B) 60

(C) 70

(D) 80

Q13. 1, 4, 9, 16, ?

(A) 20

(B) 24

(C) 25

(D) 28

Q14. A, C, E, G, ?

(A) H

(B) I

(C) J

(D) K

Q15. 100, 90, 81, 73, ?

(A) 64

(B) 65

(C) 66

(D) 68

1.4 Coding – Decoding

Q16. If CAT is coded as DBU, how is DOG coded (each letter moves one step forward)?

(A) EPH

(B) EPI

(C) FQH

(D) EPG

Q17. If RAIN is written as SBJO, how is SNOW written in the same code?

(A) TOPX

(B) TOPW

(C) SOPX

(D) TPOX

Q18. If A=1, B=2, C=3 ... Z=26, what is the code-value of the word 'BAD' (sum of letters)?

(A) 5

(B) 6

(C) 7

(D) 8

Q19. If TABLE is coded as UBCMF (each letter +1), decode 'HOUSE' using the reverse rule (each letter -1).

(A) GNTRD

(B) GMTRD

(C) GNSRD

(D) FNTRD

Q20. In a certain code, PENCIL is written as QFODJM. How will BOOK be written?

(A) CPPL

(B) CPPK

(C) BPPL

(D) CPOL

1.5 Direction Sense Test

Q21. Raju walks 5 km to the North and then 5 km to the East. In which general direction is he now from his starting point?

- | | |
|----------------|----------------|
| (A) North-West | (B) North-East |
| (C) South-East | (D) South-West |

Q22. A man is facing East. He turns 90° clockwise (to his right) and then another 90° clockwise. Which direction does he face now?

- | | |
|-----------|-----------|
| (A) North | (B) South |
| (C) West | (D) East |

Q23. At sunrise, if your shadow falls exactly to your left, which direction are you facing?

- | | |
|-----------|-----------|
| (A) North | (B) South |
| (C) East | (D) West |

1.6 Blood Relations

Q24. A is the mother of B. B is the father of C. How is A related to C?

- | | |
|------------|-----------------|
| (A) Aunt | (B) Grandmother |
| (C) Mother | (D) Sister |

Q25. P is the brother of Q. Q is the sister of R. How is P related to R?

- | | |
|-------------|------------|
| (A) Father | (B) Uncle |
| (C) Brother | (D) Cousin |

Q26. Pointing to a boy, Meena says, 'He is the son of my mother's only son.' How is the boy related to Meena?

- | | |
|------------|-------------|
| (A) Nephew | (B) Brother |
| (C) Son | (D) Cousin |

1.7 Ranking & Ordering

Q27. In a class of 40 students, Rohan ranks 10th from the top. What is his rank from the bottom?

- | | |
|----------|----------|
| (A) 30th | (B) 31st |
| (C) 29th | (D) 32nd |

Q28. Five friends are standing in a line. Aman is 2nd from the left and 3rd from the right. How many friends are there in total?

- | | |
|-------|-------|
| (A) 3 | (B) 4 |
| (C) 5 | (D) 6 |

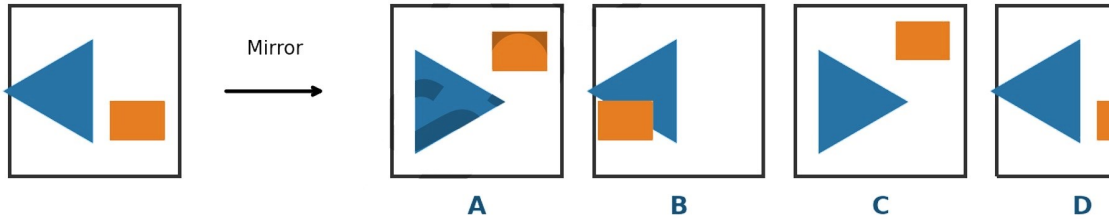
1.8 Non-Verbal Reasoning — Figure & Image Based Questions

These picture-based questions test visual and spatial ability — a major, high-weightage part of the real JNVST paper. Study each figure carefully before choosing an option.

Q29. Mirror Image

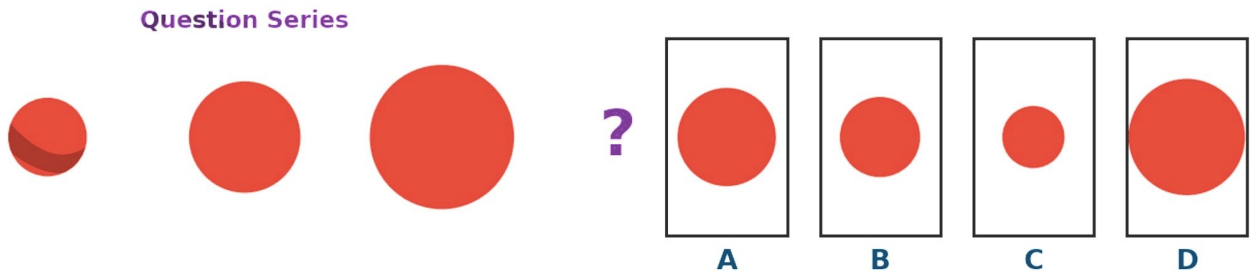
Select the correct mirror image of the given question figure when a mirror is placed to its right.

Question Figure



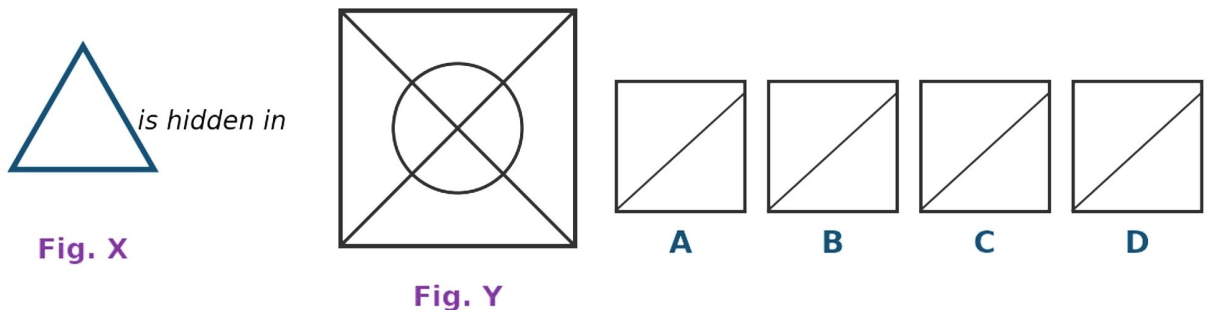
Q30. Figure Series

Study the series of circles increasing in size. Which figure comes next?



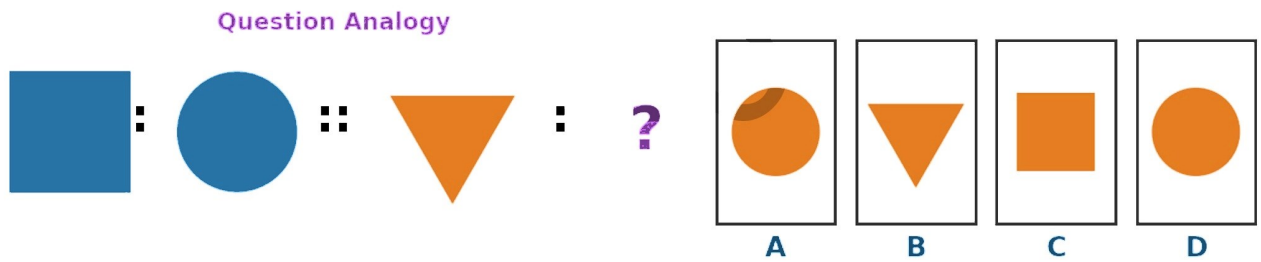
Q31. Embedded Figure

Figure X is embedded (hidden) inside Figure Y. Identify which answer option correctly shows Figure X hidden in the same way inside a similar figure.



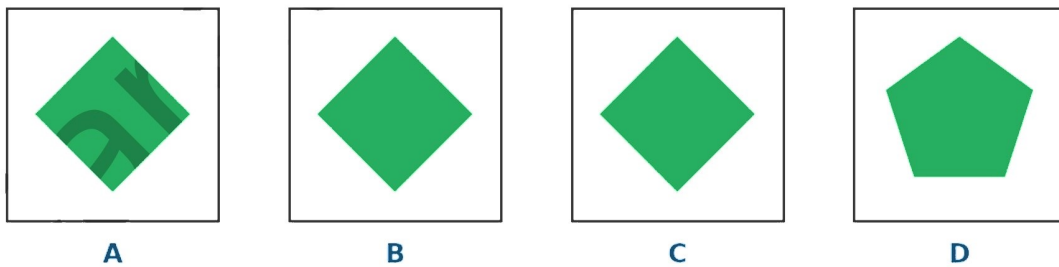
Q32. Figure Analogy

A square relates to a circle in the same way a triangle relates to which option below?



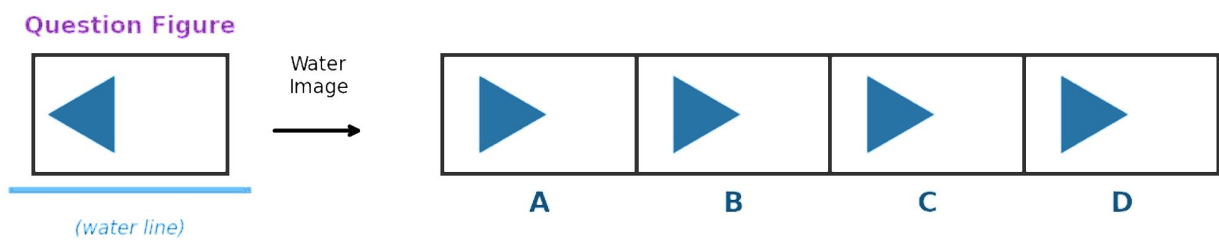
Q33. Odd Figure Out

Three figures are alike in some way; one is different. Find the odd figure out.



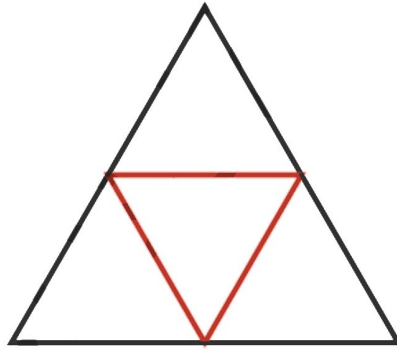
Q34. Water Image

If the question figure is dipped in water, select its correct water (reflected) image from the options.



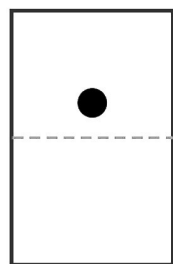
Q35. Counting Figures

Count the total number of triangles formed in the given figure.



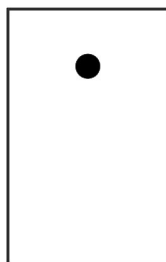
Q36. Paper Folding & Punching

A square sheet of paper is folded once and a hole is punched as shown. Select how the paper will look when unfolded.

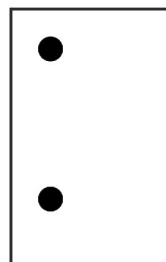


Folded + Punched

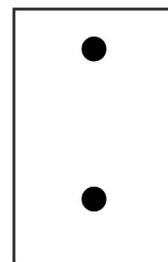
Unfold
→



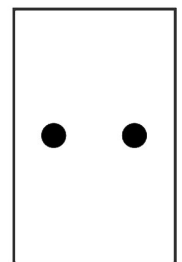
A



B



C



D

Section 2: Arithmetic Test

This section tests basic mathematical concepts taught up to Class 5. Speed and accuracy in calculation are key.

2.1 Number System

Q1. What is the smallest 4-digit number?

- | | |
|----------|----------|
| (A) 999 | (B) 1000 |
| (C) 1001 | (D) 9999 |

Q2. What is the successor of 999?

- | | |
|----------|----------|
| (A) 998 | (B) 1000 |
| (C) 1001 | (D) 900 |

Q3. What is the place value of 7 in 3728?

- | | |
|---------|----------|
| (A) 7 | (B) 70 |
| (C) 700 | (D) 7000 |

Q4. Which of these is a prime number?

- | | |
|--------|--------|
| (A) 21 | (B) 29 |
| (C) 33 | (D) 35 |

Q5. Which is the greatest of these numbers: 4508, 4580, 4085, 4850?

- | | |
|----------|----------|
| (A) 4508 | (B) 4580 |
| (C) 4085 | (D) 4850 |

2.2 Four Fundamental Operations

Q6. $356 + 478 = ?$

- | | |
|---------|---------|
| (A) 824 | (B) 834 |
| (C) 844 | (D) 854 |

Q7. $1000 - 456 = ?$

- | | |
|---------|---------|
| (A) 544 | (B) 554 |
| (C) 544 | (D) 644 |

Q8. $23 \times 15 = ?$

- | | |
|---------|---------|
| (A) 335 | (B) 345 |
| (C) 355 | (D) 365 |

Q9. $144 \div 12 = ?$

- | | |
|--------|--------|
| (A) 10 | (B) 11 |
| (C) 12 | (D) 13 |

Q10. $(25 + 15) \times 2 = ?$

- | | |
|--------|--------|
| (A) 70 | (B) 75 |
|--------|--------|

(C) 80

(D) 85

2.3 Fractions & Decimals

Q11. $1/2 + 1/4 = ?$

(A) $1/4$

(B) $2/4$

(C) $3/4$

(D) 1

Q12. Convert 0.75 into a fraction in simplest form.

(A) $3/4$

(B) $7/10$

(C) $3/5$

(D) $1/4$

Q13. Which fraction is greater: $3/4$ or $2/3$?

(A) $3/4$

(B) $2/3$

(C) Both equal

(D) Cannot say

Q14. $2.5 \times 4 = ?$

(A) 8

(B) 9

(C) 10

(D) 12

Q15. Simplify $8/12$ to its lowest terms.

(A) $1/2$

(B) $2/3$

(C) $3/4$

(D) $4/6$

2.4 LCM & HCF

Q16. Find the LCM of 4 and 6.

(A) 8

(B) 10

(C) 12

(D) 24

Q17. Find the HCF of 12 and 18.

(A) 2

(B) 3

(C) 6

(D) 9

Q18. Find the LCM of 6, 8 and 12.

(A) 12

(B) 24

(C) 36

(D) 48

Q19. Find the HCF of 15 and 20.

(A) 3

(B) 5

(C) 10

(D) 15

2.5 Simplification (BODMAS)

Q20. $12 + 6 \div 2 \times 3 - 4 = ?$

- | | |
|--------|--------|
| (A) 15 | (B) 17 |
| (C) 19 | (D) 21 |

Q21. $(10 - 4) \times (3 + 2) = ?$

- | | |
|--------|--------|
| (A) 25 | (B) 28 |
| (C) 30 | (D) 32 |

Q22. $20 - 4 \times 3 + 6 \div 2 = ?$

- | | |
|--------|--------|
| (A) 9 | (B) 10 |
| (C) 11 | (D) 12 |

2.6 Percentage

Q23. What is 20% of 150?

- | | |
|--------|--------|
| (A) 20 | (B) 25 |
| (C) 30 | (D) 35 |

Q24. 50 is what per cent of 200?

- | | |
|---------|---------|
| (A) 20% | (B) 25% |
| (C) 30% | (D) 40% |

Q25. Convert $\frac{3}{5}$ into a percentage.

- | | |
|---------|---------|
| (A) 50% | (B) 60% |
| (C) 65% | (D) 70% |

2.7 Ratio & Proportion

Q26. Express 20 : 30 in its simplest form.

- | | |
|---------|---------|
| (A) 1:2 | (B) 2:3 |
| (C) 3:4 | (D) 4:5 |

Q27. If 4 pens cost ₹40, what is the cost of 7 pens?

- | | |
|---------|---------|
| (A) ₹60 | (B) ₹65 |
| (C) ₹70 | (D) ₹75 |

Q28. Divide 60 sweets between two children in the ratio 2:3. What does the second child get?

- | | |
|--------|--------|
| (A) 24 | (B) 30 |
| (C) 36 | (D) 40 |

2.8 Average

Q29. Find the average of 10, 20 and 30.

- | | |
|--------|--------|
| (A) 15 | (B) 20 |
| (C) 25 | (D) 30 |

Q30. A car covers 100 km in 2 hours. What is its average speed?

- | | |
|-------------|-------------|
| (A) 40 km/h | (B) 45 km/h |
| (C) 50 km/h | (D) 55 km/h |

2.9 Simple Interest

Q31. Find the Simple Interest on ₹1000 at 5% per annum for 2 years. ($SI = P \times R \times T / 100$)

- | | |
|----------|----------|
| (A) ₹80 | (B) ₹90 |
| (C) ₹100 | (D) ₹110 |

2.10 Time, Speed & Distance / Time & Work

Q32. A car travels at 60 km/h. How much distance does it cover in 3 hours?

- | | |
|------------|------------|
| (A) 150 km | (B) 160 km |
| (C) 170 km | (D) 180 km |

Q33. A can finish a piece of work in 10 days and B can finish it in 15 days. Working together, in how many days will they finish it?

- | | |
|------------|------------|
| (A) 5 days | (B) 6 days |
| (C) 7 days | (D) 8 days |

2.11 Profit & Loss

Q34. A toy is bought for ₹100 and sold for ₹120. What is the profit percentage?

- | | |
|---------|---------|
| (A) 10% | (B) 15% |
| (C) 20% | (D) 25% |

Q35. An item bought for ₹200 is sold for ₹180. What is the loss percentage?

- | | |
|---------|---------|
| (A) 5% | (B) 8% |
| (C) 10% | (D) 12% |

2.12 Basic Geometry

Q36. Find the perimeter of a square of side 5 cm.

- | | |
|-----------|-----------|
| (A) 15 cm | (B) 20 cm |
| (C) 25 cm | (D) 10 cm |

Q37. Find the area of a rectangle with length 6 cm and breadth 4 cm.

- | | |
|------------------------|------------------------|
| (A) 20 cm ² | (B) 22 cm ² |
| (C) 24 cm ² | (D) 26 cm ² |

Q38. How many sides does a hexagon have?

- (A) 5 (B) 6
(C) 7 (D) 8

Q39. What is the sum of all angles of a triangle?

- (A) 90° (B) 180°
(C) 270° (D) 360°

2.13 Data-Table Based Questions

Study the table showing fruits sold by a shopkeeper during a week, then answer the questions.

Day	Mon	Tue	Wed	Thu	Fri
Mangoes sold	20	35	15	40	30

Q40. On which day were the maximum mangoes sold?

- (A) Monday (B) Tuesday
(C) Thursday (D) Friday

Q41. How many total mangoes were sold from Monday to Friday?

- (A) 120 (B) 130
(C) 140 (D) 150

Q42. What is the difference between mangoes sold on Thursday and Wednesday?

- (A) 20 (B) 25
(C) 30 (D) 35

Section 3 : Language Test

The Language Test checks reading, grammar and vocabulary. Read every passage carefully before answering.

3.1 English — Reading Comprehension

Meera lived in a small village near a river. Every morning she woke up early and helped her mother water the plants in their garden. She loved watching the birds that visited the mango tree outside her window. One day, Meera found an injured sparrow under the tree. She gently picked it up, gave it water, and kept it safe in a small box lined with cotton. She fed the bird every day until it grew strong enough to fly again. When the sparrow finally flew away, Meera felt very happy, knowing she had helped a little creature in need.

Q1. Where did Meera live?

- | | |
|-----------------|------------------------|
| (A) In a city | (B) In a small village |
| (C) In a forest | (D) In a hostel |

Q2. What did Meera do every morning?

- | | |
|------------------|------------------------|
| (A) Played games | (B) Watered the plants |
| (C) Went fishing | (D) Read books |

Q3. What did Meera find under the mango tree?

- | | |
|--------------|------------------------|
| (A) A kitten | (B) An injured sparrow |
| (C) A nest | (D) A flower |

Q4. What did Meera use to keep the bird safe?

- | | |
|-----------------------------|--------------|
| (A) A cage | (B) A basket |
| (C) A box lined with cotton | (D) A jar |

Q5. How did Meera feel when the sparrow flew away?

- | | |
|-----------|-------------|
| (A) Sad | (B) Angry |
| (C) Happy | (D) Worried |

3.2 English Grammar

Q6. Choose the correct article: '___ apple a day keeps the doctor away.'

- | | |
|---------|----------------|
| (A) A | (B) An |
| (C) The | (D) No article |

Q7. Choose the correct preposition: 'The cat is sitting ___ the table.'

- | | |
|--------|-----------|
| (A) in | (B) on |
| (C) at | (D) under |

Q8. Choose the correct verb form: 'She ___ to school every day.'

- | | |
|-----------|----------|
| (A) go | (B) goes |
| (C) going | (D) gone |

Q9. What is the plural form of 'child'?

- | | |
|------------|-------------|
| (A) childs | (B) childes |
|------------|-------------|

(C) children

(D) childrens

Q10. Choose the opposite (antonym) of 'Brave'.

(A) Bold

(B) Coward

(C) Strong

(D) Fearless

Q11. Identify the correctly spelled word.

(A) Recieve

(B) Receive

(C) Receeve

(D) Recive

3.3 Vocabulary

Q12. Choose the synonym of 'Happy'.

(A) Sad

(B) Joyful

(C) Angry

(D) Tired

Q13. Choose the antonym of 'Big'.

(A) Huge

(B) Large

(C) Small

(D) Tall

Q14. Choose the synonym of 'Intelligent'.

(A) Dull

(B) Clever

(C) Lazy

(D) Slow

Q15. Choose one word for 'a person who writes books'.

(A) Editor

(B) Author

(C) Publisher

(D) Reader

3.4 Sentence Correction

Q16. Choose the grammatically correct sentence.

(A) She don't like mangoes.

(B) She doesn't likes mangoes.

(C) She doesn't like mangoes.

(D) She not like mangoes.

Q17. Choose the grammatically correct sentence.

(A) He are going to school.

(B) He is going to school.

(C) He am going to school.

(D) He going to school.

Q18. Choose the correctly punctuated sentence.

(A) what is your name

(B) What is your name?

(C) What is your name.

(D) what is your name?

3.5 हिंदी व्याकरण (Hindi Grammar)

Q19. 'बड़ा' शब्द का विलोम (opposite) शब्द चुनिए।

(A) ऊँचा

(B) छोटा

(C) मोटा

(D) लंबा

Q20. 'सूरज' शब्द का पर्यायवाची (synonym) चुनिए।

(A) चाँद

(B) सूर्य

(C) तारा

(D) आकाश

Q21. 'रात' शब्द का विलोम शब्द चुनिए।

(A) दिन

(B) सुबह

(C) शाम

(D) दोपहर

Q22. 'पानी' शब्द का पर्यायवाची चुनिए।

(A) जल

(B) अग्नि

(C) वायु

(D) धरती

Q23. सही वाक्य चुनिए।

(A) वह स्कूल जाता है।

(B) वह स्कूल जाती हूँ।

(C) वह स्कूल जाना।

(D) वह स्कूल गया हूँ।

Section 4 : Complete Answer Keys

Mental Ability Test — Answer Key

Q.No	Ans	Q.No	Ans	Q.No	Ans	Q.No	Ans	Q.No	Ans
1	(C) Potato	2	(D) Cube	3	(C) India	4	(D) Book	5	(D) Chess
6	(B) School	7	(C) Kilogram	8	(B) House	9	(B) Solid	10	(B) Cut
11	(B) 10	12	(D) 80	13	(C) 25	14	(B) I	15	(C) 66
16	(A) EPH	17	(A) TOPX	18	(C) 7	19	(A) GNTRD	20	(A) CPPL
21	(B) North-East	22	(C) West	23	(A) North	24	(B) Grand mother	25	(C) Brother
26	(C) Son	27	(B) 31st	28	(C) 5	29	(B)	30	(A)
31	(A)	32	(B)	33	(D)	34	(A)	35	6
36	(C)								

Arithmetic Test — Answer Key

Q.No	Ans	Q.No	Ans	Q.No	Ans	Q.No	Ans	Q.No	Ans
1	(B) 1000	2	(B) 1000	3	(C) 700	4	(B) 29	5	(D) 4850
6	(C) 834	7	(A) 544	8	(B) 345	9	(C) 12	10	(C) 80
11	(C) 3/4	12	(A) 3/4	13	(A) 3/4	14	(C) 10	15	(B) 2/3
16	(C) 12	17	(C) 6	18	(B) 24	19	(B) 5	20	(B) 17
21	(C) 30	22	(C) 11	23	(C) 30	24	(B) 25%	25	(B) 60%
26	(B) 2:3	27	(C) ₹70	28	(C) 36	29	(B) 20	30	(C) 50 km/h
31	(C) ₹100	32	(D) 180 km	33	(B) 6 days	34	(C) 20%	35	(C) 10%
36	(B) 20 cm	37	(C) 24 cm ²	38	(B) 6	39	(B) 180°	40	(C) Thursd ay
41	(C) 140	42	(C) 25						

Language Test — Answer Key

Q.No	Ans	Q.No	Ans	Q.No	Ans	Q.No	Ans	Q.No	Ans
1	(B) In a small village	2	(B) Watered the plants	3	(B) An injured sparrow	4	(C) A box lined with cotton	5	(C) Happy
6	(B) An	7	(B) on	8	(B) goes	9	(C) children	10	(B) Coward
11	(B) Receive	12	(B) Joyful	13	(C) Small	14	(B) Clever	15	(B) Author
16	(C) She doesn't like mangoes.	17	(B) He is going to school.	18	(B) What is your name?	19	(B) छोटा	20	(B) सूर्य
21	(A) दिन	22	(A) जल	23	(A) वह स्कूल जाती है।				

