

# SUN SHINE PUBLIC SCHOOL, NAJIBABAD

## Malti Agarwal Smriti Chatravriti Scholarship Test — 2026

### SAMPLE PRACTICE PAPER

CLASS 10 • Syllabus: Class 9 CBSE • Total: 120 Marks • Time: 60 Minutes

This is a **SAMPLE PAPER** for practice only. The actual test will have **ENTIRELY DIFFERENT** questions.

Roll No.: \_\_\_\_\_ Name: \_\_\_\_\_ School: \_\_\_\_\_

#### GENERAL INSTRUCTIONS:

1. 60 questions, all compulsory. Paper is based on Class 9 CBSE syllabus.
2. +2 marks for each correct answer.
3. -0.25 marks for wrong answer in Maths / Science / English / SST only.
4. NO negative marking in Section A (Mental Ability) and Section B (GK).
5. Practise answering this paper honestly within 60 minutes.
6. Answers are in the Answer Key on the last page of this booklet.

#### SECTION A — MENTAL ABILITY & REASONING (Q.1 to Q.10)

No Negative Marking

**Q.1.** Author : Book :: Sculptor : ?

- (a) Statue
- (b) Painting
- (c) Museum
- (d) Canvas

**Q.2.** Find the next number: 0, 1, 1, 2, 3, 5, 8, 13, \_\_\_\_

- (a) 18
- (b) 21
- (c) 20
- (d) 24

**Q.3.** Statement 1: All birds can fly.

Statement 2: Penguin is a bird.

Conclusion: Penguin can fly.

The conclusion is:

- (a) Definitely true
- (b) Definitely false
- (c) Valid based only on the given statements (even though actually wrong)
- (d) Cannot be determined

**Q.4.** Arjun's father is Vijay. Vijay's sister is Meena. Meena's son is Suresh. How is Suresh related to Arjun?

- (a) Uncle
- (b) Brother
- (c) Nephew
- (d) Cousin

**Q.5.** From point X, a man walks 8 km North, then 6 km East.

Shortest distance from X:

- (a) 10 km
- (b) 14 km
- (c) 12 km
- (d) 7 km

**Q.6.** 5 friends sit in a row: P, Q, R, S, T.

P sits to the immediate left of R.

T is at one end. Q is not next to T.

S is between Q and T.

Who sits at the OTHER end from T?

- (a) S
- (b) P or R
- (c) Q
- (d) T

- Q.7.** A box contains red and blue pens in ratio 3:2.  
If 10 blue pens are added, the ratio becomes 3:4.  
How many red pens are in the box?
- (a) 12
  - (b) 18
  - (c) 15
  - (d) 20
- Q.8.** A square piece of paper is folded into quarters (folded twice). A hole is punched through the folded paper.  
When completely unfolded, how many holes are there?
- (a) 2
  - (b) 3
  - (c) 6
  - (d) 4
- Q.9.** In a code, 'MANGO' is written as 'NBOHP' (each letter +1). Then 'GRAPE' is coded as:
- (a) HSBQF
  - (b) HRBQE
  - (c) HSAQF
  - (d) IRBQF
- Q.10.** Statement: 'All students who study hard get good marks.'  
Riya got good marks.  
Conclusion: Riya studied hard.  
Is this conclusion correct?
- (a) Yes, definitely — she must have studied hard
  - (b) Not necessarily — she might have got marks through other means; the statement doesn't say ONLY hard-studiers get good marks
  - (c) No — students never study hard in real life
  - (d) The statement is contradictory

**SECTION B — GENERAL KNOWLEDGE & CURRENT AFFAIRS** (Q.11 to Q.15)

**No Negative Marking**

- Q.11.** India's 'Operation Sindoor' of May 2025 was the most significant Indian military cross-border action since:
- (a) The Kargil War 1999
  - (b) The surgical strikes 2016
  - (c) The 1971 Indo-Pak War
  - (d) The Balakot air strikes 2019
- Q.12.** Which country launched the world's FIRST commercial quantum computing satellite in 2016, marking a milestone in quantum communication?
- (a) USA
  - (b) Russia
  - (c) Japan
  - (d) China
- Q.13.** India's GDP (Gross Domestic Product) makes it approximately which ranking in the world by size?
- (a) 5th largest economy
  - (b) 3rd largest economy
  - (c) 7th largest economy
  - (d) 10th largest economy
- Q.14.** 'Neeraj Chopra' won India's first-ever Olympic Gold Medal in track and field at Tokyo 2020 in which event?
- (a) Shot put
  - (b) Javelin throw
  - (c) Discus throw
  - (d) Hammer throw
- Q.15.** The 'United Nations' was founded in 1945 after World War II. How many countries are currently members (approx.)?
- (a) 152
  - (b) 175

- (c) 193
- (d) 215

**SECTION C — MATHEMATICS** (Q.16 to Q.30)

**-0.25 for wrong answer**

**Q.16.** Which of the following is an IRRATIONAL number?

- (a)  $\frac{3}{7}$
- (b)  $\sqrt{9}$
- (c) 0.343434... (repeating decimal)
- (d)  $\sqrt{5}$

**Q.17.** Find the remainder when  $p(x) = x^3 - 3x + 5$  is divided by  $(x-2)$ .

- (a) 7
- (b) 9
- (c) 3
- (d) 5

**Q.18.** In which quadrant does the point  $(-4, 3)$  lie?

- (a) I (First)
- (b) II (Second)
- (c) III (Third)
- (d) IV (Fourth)

**Q.19.** The equation  $2x + 3y = 12$  has infinitely many solutions. If  $x = 0$ , find  $y$ :

- (a) 6
- (b) 3
- (c) 4
- (d) 2

**Q.20.** According to Euclid's postulate: 'If equals are added to equals, the wholes are equal.' This is Euclid's:

- (a) First Postulate
- (b) Second Postulate
- (c) Third Axiom
- (d) Second Axiom (Common Notion)

**Q.21.** Two parallel lines are cut by a transversal. The co-interior (same-side interior) angles sum to:

- (a)  $180^\circ$
- (b)  $90^\circ$
- (c)  $360^\circ$
- (d) Both are equal

**Q.22.** In  $\triangle ABC$  and  $\triangle PQR$ ,  $AB=PQ$ ,  $BC=QR$ , and  $\angle B = \angle Q$ . The triangles are congruent by:

- (a) SSS
- (b) SAS
- (c) AAS
- (d) RHS

**Q.23.** The diagonals of a RHOMBUS:

- (a) Are equal in length
- (b) Do not bisect each other
- (c) Bisect each other at right angles
- (d) Are parallel to each other

**Q.24.** The angle subtended by a DIAMETER at any point on the circle is:

- (a)  $45^\circ$
- (b)  $60^\circ$
- (c)  $180^\circ$
- (d)  $90^\circ$

**Q.25.** Find the area of a triangle with sides 7, 8 and 9 cm.

( $s = 12$ . Area =  $\sqrt{(12 \times 5 \times 4 \times 3)} = \sqrt{720} \approx 26.83 \text{ cm}^2$ )

- (a)  $26.83 \text{ cm}^2$
- (b)  $28 \text{ cm}^2$
- (c)  $24 \text{ cm}^2$
- (d)  $30 \text{ cm}^2$

**Q.26.** A sphere of radius 7 cm. Find its volume. ( $\pi = 22/7$ )

- (a) 1437 cm<sup>3</sup>
- (b) 1437.33 cm<sup>3</sup>
- (c) 1500 cm<sup>3</sup>
- (d) 1287 cm<sup>3</sup>

**Q.27.** Mean of 10 numbers is 20. If each number is multiplied by 4, the new mean is:

- (a) 40
- (b) 60
- (c) 80
- (d) 20

**Q.28.** A card is drawn from a well-shuffled deck of 52 cards. Probability of drawing a KING or QUEEN:

- (a) 1/13
- (b) 1/4
- (c) 3/26
- (d) 2/13

**Q.29.** Simplify:  $(2^5 \times 2^3) \div 2^4$

- (a) 16
- (b) 8
- (c) 32
- (d) 64

**Q.30.** Find the median of: 3, 7, 1, 10, 5, 9, 2, 8, 6, 4

- (a) 4.5
- (b) 5.5
- (c) 6
- (d) 5

**SECTION D — SCIENCE** (Q.31 to Q.40)

**-0.25 for wrong answer**

**Q.31.** The process by which a SOLID converts DIRECTLY into a gas (without passing through liquid state) is called:

- (a) Evaporation
- (b) Melting
- (c) Sublimation
- (d) Condensation

**Q.32.** Which of the following is a COMPOUND (not a mixture)?

- (a) Air
- (b) Salt water
- (c) Soil
- (d) Carbon dioxide (CO<sub>2</sub>)

**Q.33.** The molecular mass of water (H<sub>2</sub>O) is: (H=1, O=16)

- (a) 18 u
- (b) 16 u
- (c) 20 u
- (d) 17 u

**Q.34.** The atomic number of an element equals the number of:

- (a) Neutrons in the nucleus
- (b) Protons in the nucleus
- (c) Electrons + Neutrons
- (d) Protons + Neutrons (mass number)

**Q.35.** Which organelle is called the 'Kitchen of the Cell' because it produces food for the plant through photosynthesis?

- (a) Mitochondria
- (b) Ribosome
- (c) Chloroplast
- (d) Nucleus

**Q.36.** Which type of tissue forms the lining of our mouth, skin surface and inner surfaces of organs?

- (a) Connective tissue
- (b) Muscular tissue
- (c) Nervous tissue
- (d) Epithelial tissue

**Q.37.** A car starts from rest and reaches 20 m/s in 10 seconds.

Using  $v=u+at$ , the acceleration is:

- (a)  $2 \text{ m/s}^2$
- (b)  $0.5 \text{ m/s}^2$
- (c)  $4 \text{ m/s}^2$
- (d)  $10 \text{ m/s}^2$

**Q.38.** When a gun fires a bullet forward, the gun recoils backward. This is an application of:

- (a) Newton's First Law
- (b) Newton's Third Law
- (c) Newton's Second Law
- (d) Law of Gravitation

**Q.39.** A force of 50 N acts on an object that moves 5 m in the direction of the force.

Work done = ?

- (a) 10 J
- (b) 200 J
- (c) 250 J
- (d) 55 J

**Q.40.** The PITCH of a sound depends on its:

- (a) Amplitude
- (b) Speed
- (c) Loudness
- (d) Frequency

**SECTION E — ENGLISH** (Q.41 to Q.50)

**-0.25 for wrong answer**

**Q.41.** Choose the grammatically CORRECT sentence:

- (a) The team is playing very well today.
- (b) The team are playing very well today.
- (c) The team was played very well today.
- (d) The team have been playing very well today.

**Q.42.** Fill in the blank: 'By 2030, scientists \_\_\_\_\_ a cure for this disease.'

- (a) will find
- (b) will have found
- (c) found
- (d) have found

**Q.43.** PASSIVE VOICE of: 'The manager will announce the results tomorrow.'

- (a) The results are announced by the manager tomorrow.
- (b) The results would be announced by the manager.
- (c) The results will be announced by the manager tomorrow.
- (d) The results were announced by the manager tomorrow.

**Q.44.** Change to INDIRECT speech: 'She said, "I will finish this by evening."'

- (a) She said that she will finish this by evening.
- (b) She said that she has finished this by evening.
- (c) She said that she finishes this by evening.
- (d) She said that she would finish that by evening.

**Q.45.** One word for 'a person who travels to a sacred/holy place as an act of religious devotion':

- (a) Pilgrim
- (b) Nomad
- (c) Expatriate
- (d) Hermit

**Q.46.** Choose the correct determiner: 'She ate \_\_\_\_\_ rice and \_\_\_\_\_ apple for lunch.'

- (a) a/a
- (b) some/an
- (c) some/a
- (d) a/an

**Q.47.** 'You \_\_\_\_\_ consult a doctor if you are unwell.' (Advice)

- (a) must
- (b) will
- (c) should
- (d) may

**Q.48.** In a formal letter of complaint, the closing phrase should be:

- (a) Yours lovingly,
- (b) Take care,
- (c) Best wishes,
- (d) Yours sincerely, / Yours faithfully,

**Q.49.** The antonym of 'VERBOSE' is:

- (a) Concise
- (b) Detailed
- (c) Wordy
- (d) Lengthy

**Q.50.** 'Biodiversity loss is one of the gravest threats facing our planet.

Each species plays a role in its ecosystem. When species disappear, the ecosystem becomes weaker and less resilient to change.'

The passage implies that biodiversity loss is dangerous because:

- (a) All species must be kept in zoos to survive
- (b) Ecosystems become less stable when species are lost, making the environment more vulnerable
- (c) Human beings would have nothing to eat
- (d) The climate would immediately change drastically

**SECTION F — SOCIAL STUDIES** (Q.51 to Q.60)

**-0.25 for wrong answer**

**Q.51.** The French Revolution began in 1789 with the storming of a famous prison. Name it:

- (a) The Louvre
- (b) Palace of Versailles
- (c) The Bastille
- (d) Notre Dame

**Q.52.** The Russian Revolution of 1917 was led by Vladimir Lenin and the Bolsheviks. Which political ideology did they establish?

- (a) Democracy
- (b) Capitalism
- (c) Fascism
- (d) Communism / Socialism

**Q.53.** The British introduced the Indian Forest Act of 1878 primarily to:

- (a) Control forests for commercial timber extraction and restrict traditional tribal use
- (b) Protect wildlife from hunting by Indian princes
- (c) Allow tribals to manage their own forests freely
- (d) Plant new trees to restore deforested areas

**Q.54.** The Northern Plains of India are formed by the alluvial deposits of three great river systems. Which of the following is NOT one of them?

- (a) Ganga system
- (b) Narmada system
- (c) Indus system
- (d) Brahmaputra system

**Q.55.** The retreating monsoon season in India (October–December) brings heavy rainfall to which part of the country?

- (a) Punjab and Haryana
- (b) Rajasthan
- (c) Tamil Nadu and Andhra Pradesh

(d) Assam and Meghalaya

**Q.56.** 'Power sharing' in democracy is important because:

- (a) It concentrates power with the President for faster decision-making
- (b) It makes the government more efficient by giving all power to experts
- (c) It allows only majority communities to rule
- (d) It reduces conflict and ensures that no single group dominates, making governance more stable

**Q.57.** India is described as a 'Federation with a strong Centre'. This means:

- (a) Both the Central and State governments have their own powers, but in conflicts, the Central Government is generally more powerful
- (b) Only the State governments have real power in India
- (c) All powers are equally divided between Centre and States
- (d) India has no federal structure — it is purely unitary

**Q.58.** 'Per Capita Income' is used as a measure of development. A limitation of this measure is:

- (a) It measures the total GDP of a country only
- (b) It is an average — it does not show how income is distributed (some people may be very rich while most are poor)
- (c) It cannot be calculated for small countries
- (d) It only considers the income of the richest people

**Q.59.** 'Collateral' in a bank loan refers to:

- (a) The interest charged by the bank
- (b) The monthly repayment schedule
- (c) An asset (property, land, gold) pledged by the borrower as security for the loan
- (d) The application form filled by the borrower

**Q.60.** The Consumer Protection Act gives consumers several rights. Which of the following is a consumer's RIGHT?

- (a) Right to manufacture goods of any quality
- (b) Right to set prices in the market
- (c) Right to own a business without paying taxes
- (d) Right to be informed about the quality, quantity, potency, purity, standard and price of goods

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★ END OF SAMPLE PAPER — Answer Key is on the next page ★

# ANSWER KEY — SAMPLE PAPER CLASS 10

SUN SHINE PUBLIC SCHOOL, NAJIBABAD | Malti Agarwal Smriti Chatravriti Test 2026

Syllabus: Class 9 CBSE Syllabus | This answer key is for the SAMPLE PAPER only

Distribution: A=15 B=15 C=15 D=15 ✓ 15 each — Balanced

## SECTION A — MENTAL ABILITY (Q.1–Q.10) No Negative Marking

1. <b>A</b>	2. <b>B</b>	3. <b>C</b>	4. <b>D</b>	5. <b>A</b>
6. <b>B</b>	7. <b>C</b>	8. <b>D</b>	9. <b>A</b>	10. <b>B</b>

## SECTION B — GK & CURRENT AFFAIRS (Q.11–Q.15) No Negative Marking

11. <b>C</b>	12. <b>D</b>	13. <b>A</b>	14. <b>B</b>	15. <b>C</b>
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## SECTION C — MATHEMATICS (Q.16–Q.30) -0.25 for wrong

16. <b>D</b>	17. <b>A</b>	18. <b>B</b>	19. <b>C</b>	20. <b>D</b>
21. <b>A</b>	22. <b>B</b>	23. <b>C</b>	24. <b>D</b>	25. <b>A</b>
26. <b>B</b>	27. <b>C</b>	28. <b>D</b>	29. <b>A</b>	30. <b>B</b>

## SECTION D — SCIENCE (Q.31–Q.40) -0.25 for wrong

31. <b>C</b>	32. <b>D</b>	33. <b>A</b>	34. <b>B</b>	35. <b>C</b>
36. <b>D</b>	37. <b>A</b>	38. <b>B</b>	39. <b>C</b>	40. <b>D</b>

## SECTION E — ENGLISH (Q.41–Q.50) -0.25 for wrong

41. <b>A</b>	42. <b>B</b>	43. <b>C</b>	44. <b>D</b>	45. <b>A</b>
46. <b>B</b>	47. <b>C</b>	48. <b>D</b>	49. <b>A</b>	50. <b>B</b>

## SECTION F — SOCIAL STUDIES (Q.51–Q.60) -0.25 for wrong

51. <b>C</b>	52. <b>D</b>	53. <b>A</b>	54. <b>B</b>	55. <b>C</b>
56. <b>D</b>	57. <b>A</b>	58. <b>B</b>	59. <b>C</b>	60. <b>D</b>

**MARKING:** +2 correct | -0.25 wrong (Sec C/D/E/F) | No negative in Sec A & B | Max = 120 Marks