

# SUN SHINE PUBLIC SCHOOL, NAJIBABAD

## Malti Agarwal Smriti Chatravriti Scholarship Test — 2026

### SAMPLE PRACTICE PAPER

CLASS 9 • Syllabus: Class 8 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 8 CBSE 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.** Find the odd term: 2, 5, 10, 17, 26, 37, 50, 64

- (a) 50
- (b) 37
- (c) 26
- (d) 64

**Q.2.** Pen : Writing :: Scissors : ?

- (a) Cutting
- (b) Sewing
- (c) Knitting
- (d) Painting

**Q.3.** If STAR = 58 (S=19,T=20,A=1,R=18, sum=58), then MOON = ?

- (a) 56
- (b) 57
- (c) 55
- (d) 54

**Q.4.** A is the father of B. B is the sister of C. C is the husband of D.  
How is A related to D?

- (a) Uncle
- (b) Brother
- (c) Father-in-law
- (d) Grandfather

**Q.5.** Anita is taller than Bina but shorter than Charu.  
Daisy is taller than Anita but shorter than Charu.  
Who is the SHORTEST?

- (a) Anita
- (b) Charu
- (c) Daisy
- (d) Bina

**Q.6.** All cats are animals. All animals are mortal.  
Which conclusion **MUST** be true?

- (a) All cats are mortal.
- (b) All mortals are cats.
- (c) Some animals are not mortal.
- (d) No cat is an animal.

**Q.7.** In a class test, the average score of 30 students is 55. 5 more students join. Their average score is 60.  
What is the new class average?

- (a) 55.5
- (b) 55.71
- (c) 56
- (d) 57

**Q.8.** In a class of 40 students, 16 failed. Find the percentage of students who PASSED.

- (a) 56%
- (b) 65%
- (c) 60%
- (d) 64%

**Q.9.** I am a two-digit number.

Sum of my digits = 10.

Product of my digits = 25.

What am I?

- (a) 46
- (b) 64
- (c) 73
- (d) 55

**Q.10.** In a 100-metre race, if A beats B by 10 m and B beats C by 10 m, by how many metres does A beat C?

- (a) 19 m
- (b) 20 m
- (c) 18 m
- (d) 21 m

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

**No Negative Marking**

**Q.11.** The 'Paris Agreement' is an international treaty related to:

- (a) International trade and tariffs
- (b) Climate change and reducing greenhouse gas emissions
- (c) Nuclear weapons reduction
- (d) Ocean pollution control

**Q.12.** What is 'Artificial Intelligence' (AI) most simply defined as?

- (a) Robots that look and behave exactly like humans
- (b) Computers that run 24 hours a day
- (c) The ability of machines to perform tasks that typically require human intelligence, like understanding language or recognising images
- (d) High-speed internet technology

**Q.13.** Which Indian cricketer holds the world record for the MOST international centuries (hundreds)?

- (a) Virat Kohli
- (b) Sunil Gavaskar
- (c) Rohit Sharma
- (d) Sachin Tendulkar

**Q.14.** India's annual budget is presented in Parliament on which date?

- (a) 1st February
- (b) 26th January
- (c) 15th August
- (d) 31st March

**Q.15.** Which country is known as the 'Land of the Midnight Sun' because the sun shines 24 hours during summer?

- (a) Iceland
- (b) Norway
- (c) Sweden
- (d) Finland

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

**-0.25 for wrong answer**

**Q.16.** The LCM of 12, 18 and 24 is:

- (a) 48
- (b) 36
- (c) 72
- (d) 96

**Q.17.** A number is 3 more than twice another number. Their sum is 27. Find the LARGER number.

- (a) 16
- (b) 18
- (c) 15
- (d) 19

**Q.18.** A quadrilateral has all sides equal but angles are NOT necessarily  $90^\circ$ . This is a:

- (a) Rhombus
- (b) Rectangle
- (c) Square
- (d) Trapezium

**Q.19.** Find  $\sqrt{2025}$ .

- (a) 40
- (b) 45
- (c) 50
- (d) 55

**Q.20.** Find the value of:  $\sqrt[3]{(-216)}$

- (a) 6
- (b) -12
- (c) -6
- (d) 12

**Q.21.** Find the amount on ₹5000 at 10% per annum compounded annually for 2 years.

$$(A = P(1+r/100)^n)$$

- (a) ₹5,500
- (b) ₹5,900
- (c) ₹6,000
- (d) ₹6,050

**Q.22.** Using the identity  $(a-b)^2 = a^2 - 2ab + b^2$ : Find  $(98)^2$

- (a) 9604
- (b) 9504
- (c) 9404
- (d) 9704

**Q.23.** A cuboidal box is 8 cm long, 5 cm wide and 3 cm high.

Find the volume of the box.

- (a)  $100 \text{ cm}^3$
- (b)  $120 \text{ cm}^3$
- (c)  $110 \text{ cm}^3$
- (d)  $160 \text{ cm}^3$

**Q.24.** If 15 workers can build a wall in 24 days, how many workers can build the SAME wall in 9 days?

- (a) 30
- (b) 35
- (c) 40
- (d) 45

**Q.25.** Factorise completely:  $x^2 - 9$

- (a)  $(x-3)(x-3)$
- (b)  $(x+3)(x+3)$
- (c)  $(x-3)^2$
- (d)  $(x+3)(x-3)$

**Q.26.** A bag has 4 red, 6 blue and 5 green balls. One is drawn at random. Probability of drawing a BLUE ball:

- (a)  $2/5$
- (b)  $1/3$
- (c)  $1/5$
- (d)  $1/2$

**Q.27.** The number of prime factors of 2520 is:

- (a) 3
- (b) 4
- (c) 5

(d) 6

**Q.28.** Find the value of:  $2^{-3} + 3^{-2} + 4^0$

- (a) 2.0
- (b) 1.5
- (c) 1.236
- (d) 1.125

**Q.29.** A certain sum of money doubles itself in 8 years at simple interest.

The rate of interest per annum is:

- (a) 10%
- (b) 12%
- (c) 8%
- (d) 12.5%

**Q.30.** In a bar graph, the HEIGHT of each bar represents:

- (a) The VALUE or FREQUENCY of that category
- (b) The number of categories shown
- (c) The title of the graph
- (d) The scale used on the x-axis

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

**-0.25 for wrong answer**

**Q.31.** Which type of irrigation method is MOST water-efficient and delivers water directly to plant roots?

- (a) Flood irrigation
- (b) Drip irrigation
- (c) Sprinkler irrigation
- (d) Canal irrigation

**Q.32.** Which microorganism is responsible for the disease MALARIA?

- (a) Bacteria
- (b) Virus
- (c) Protozoan (Plasmodium)
- (d) Fungus

**Q.33.** Which of the following is a NON-METAL that is a good conductor of electricity?

- (a) Sulphur
- (b) Phosphorus
- (c) Iodine
- (d) Graphite (Carbon)

**Q.34.** The OUTERMOST zone of a candle flame is the:

- (a) Non-luminous zone (hottest part, complete combustion, no unburnt carbon)
- (b) Luminous zone (yellow, partial combustion)
- (c) Dark zone (innermost, wax vapour)
- (d) Blue zone (base of the flame)

**Q.35.** The powerhouse of the cell (organelle that produces energy through respiration) is the:

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

**Q.36.** A force of 200 N acts on an area of  $40 \text{ cm}^2 = 0.004 \text{ m}^2$ .

The pressure exerted is: ( $P = F/A$ )

- (a) 8 Pa
- (b) 800 Pa
- (c) 50,000 Pa
- (d) 5000 Pa

**Q.37.** Which type of friction acts between surfaces that are NOT moving relative to each other?

- (a) Kinetic friction
- (b) Rolling friction
- (c) Fluid friction
- (d) Static friction

- Q.38.** The number of vibrations (oscillations) made by a sound wave per second is called its:
- (a) Frequency
  - (b) Amplitude
  - (c) Wavelength
  - (d) Speed
- Q.39.** The group of stars that appears to form a pattern (like Big Dipper or Orion) in the night sky is called a:
- (a) Galaxy
  - (b) Constellation
  - (c) Nebula
  - (d) Cluster
- Q.40.** When white light passes through a glass prism, it splits into 7 colours. This phenomenon is called:
- (a) Reflection
  - (b) Refraction only
  - (c) Dispersion
  - (d) Diffraction

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

**-0.25 for wrong answer**

- Q.41.** Change to PASSIVE VOICE: 'The chef cooked a delicious meal.'
- (a) A delicious meal is cooked by the chef.
  - (b) The chef has cooked a delicious meal.
  - (c) A delicious meal was cooked.
  - (d) A delicious meal was cooked by the chef.
- Q.42.** Convert to DIRECT speech: 'She asked whether I had finished my homework.'
- (a) "Have you finished your homework?" she asked.
  - (b) "Did you finish your homework?" she said.
  - (c) "You have finished your homework," she asked.
  - (d) "Have you finished your homework?" she told.
- Q.43.** Choose the correct modal: 'It \_\_\_\_\_ snow tomorrow — the weather forecast is uncertain.'
- (a) must
  - (b) might
  - (c) shall
  - (d) will
- Q.44.** Choose the correct conditional: 'If she \_\_\_\_\_ harder, she would pass the exam.'
- (a) studies
  - (b) has studied
  - (c) studied
  - (d) will study
- Q.45.** One word for 'a place where aircraft land and take off':
- (a) Hangar
  - (b) Terminal
  - (c) Runway
  - (d) Airport
- Q.46.** 'To hit the nail on the head' means:
- (a) To describe exactly what is causing a situation or problem
  - (b) To be very good at carpentry
  - (c) To solve a problem by brute force
  - (d) To make a sudden decision
- Q.47.** In a formal letter, which part comes FIRST after the sender's address?
- (a) The subject of the letter
  - (b) The date
  - (c) The salutation (Dear Sir/Madam)
  - (d) The body of the letter
- Q.48.** The synonym of 'BENEVOLENT' is:
- (a) Cruel
  - (b) Arrogant

- (c) Generous and kind
- (d) Intelligent

**Q.49.** 'Education is the most powerful weapon which you can use to change the world.' — Nelson Mandela  
This quote primarily suggests that:  
(a) Weapons are more powerful than education  
(b) Only Nelson Mandela could change the world  
(c) The world is full of violence and weapons  
(d) Education is the best tool for bringing about positive change in society

**Q.50.** The antonym of 'COMPULSORY' is:  
(a) Optional  
(b) Mandatory  
(c) Essential  
(d) Necessary

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

**-0.25 for wrong answer**

**Q.51.** The British East India Company was initially a TRADING company. It received its first trading charter from Queen Elizabeth I in:  
(a) 1600 BC  
(b) 1600 AD  
(c) 1700 AD  
(d) 1757 AD

**Q.52.** The 'Permanent Settlement' of 1793 (introduced by Lord Cornwallis) fixed land revenue permanently. Who was expected to pay this tax to the British?  
(a) The farmers directly  
(b) The village headmen  
(c) The Zamindars (landlords)  
(d) The merchants and traders

**Q.53.** The 'Doctrine of Lapse' used to annex Indian kingdoms was abolished after the Revolt of 1857. Which Queen is associated with refusing to accept this doctrine, leading to the annexation of Jhansi?  
(a) Kittur Chennamma  
(b) Begum Hazrat Mahal  
(c) Rani Abbakka  
(d) Rani Lakshmbai of Jhansi

**Q.54.** 'Sati' was the practice of a widow burning herself on her husband's funeral pyre. This was banned in 1829 by:  
(a) Lord William Bentinck (with efforts of Raja Ram Mohan Roy)  
(b) Mahatma Gandhi  
(c) Lord Dalhousie  
(d) Lord Cornwallis

**Q.55.** The Indian National Congress was founded in 1885 by:  
(a) Bal Gangadhar Tilak  
(b) A.O. Hume (with support of Indian leaders)  
(c) Mahatma Gandhi  
(d) Jawaharlal Nehru

**Q.56.** Petroleum and coal take millions of years to form and cannot be replenished quickly. They are called:  
(a) Renewable resources  
(b) Sustainable resources  
(c) Non-renewable or exhaustible resources  
(d) Biotic resources

**Q.57.** 'Kharif crops' in India are sown in June–July and harvested in October–November. Which of the following is a Kharif crop?  
(a) Wheat  
(b) Mustard  
(c) Barley  
(d) Rice (Paddy)

**Q.58.** The Preamble of the Indian Constitution begins with 'WE THE PEOPLE OF INDIA'. This phrase indicates that the ultimate source of power in India is:

- (a) The people of India themselves
- (b) The President of India
- (c) The Parliament of India
- (d) The Supreme Court of India

**Q.59.** In Indian elections, the 'Model Code of Conduct' is enforced by:

- (a) The Prime Minister's office
- (b) The Election Commission of India
- (c) The Supreme Court
- (d) The Home Ministry

**Q.60.** 'Habeas Corpus' is a legal writ that protects citizens from unlawful detention. It is a part of which Fundamental Right?

- (a) Right to Equality
- (b) Right to Freedom of Religion
- (c) Right to Constitutional Remedies (Article 32)
- (d) Right against Exploitation

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

# ANSWER KEY — SAMPLE PAPER CLASS 9

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

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

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

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

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

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

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

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

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

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

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

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