

SATCHASI CHHATRA MANGAL MERIT SEARCH TEST (SCMMST) 2026



Reg. No.: S0010324/1970-71

Roll No: OMR Serial No...... Type of OMR.....	Class : IX Full Marks : 100 Time : 12 Noon – 2 PM Date of Examination: 30th August, 2026 Signature of Invigilator: 												
FOR STUDENTS	FOR EXAMINER												
INSTRUCTIONS YOU WILL ANSWER IN <u>OMR SHEET ONLY.</u> YOU MUST ANSWER ALL QUESTIONS. DO NOT LOOK OTHER & OUTSIDE. ONLY CORRECT ONE WILL BE MARKED. <u>DARKEN ONLY ONE CIRCLE WITH YOUR BLACK/BLUE BALL PEN AND MAINTAIN THE INSTRUCTIONS AS PER OMR COPY.</u> DO NOT USE WOOD PENCIL. IF YOU WILL MARK TWO / THREE / FOUR, THEN THAT WILL BE CANCELLED. YOU DO NOT DO YOUR ROUGH WORK IN THE OMR SHEET. FIRST YOU THINK AND THEN YOU DO. YOUR ACHEIVMENT ONLY FOR YOU. IT HAS NO RELATION WITH YOUR REGULAR CLASS RESULT ALL QUESTIONS CARRY EQUAL MARK (I.E. 1) BEFORE THE FINAL STARTING BELL YOU WRITE YOUR NAME, ROLL NUMBER, ZONE AND ADDRESS. 100 QUESTIONS MUST BE ANSWERED WITHIN TWO HOURS. NO EXTRA TIME WILL BE GIVEN FOR YOU FOR ANY CIRCUMSTANCE. ONLY YOU CAN DEVELOP YOURSELF.	<table border="1" style="width: 100%; border-collapse: collapse; margin-bottom: 10px;"> <caption style="text-align: center; font-weight: normal;">TABLE FOR OBTAINED MARKS</caption> <tr> <th style="text-align: center;">TYPE QUESTION</th> <th style="text-align: center;">TOTAL MARKS</th> <th style="text-align: center;">OBTAINED MARKS</th> </tr> <tr> <td style="text-align: center;">S A T</td> <td style="text-align: center;">50 (FIFTY)</td> <td></td> </tr> <tr> <td style="text-align: center;">M A T</td> <td style="text-align: center;">50 (FIFTY)</td> <td></td> </tr> <tr> <td style="text-align: center;">TOTAL</td> <td style="text-align: center;">100</td> <td></td> </tr> </table> Signature of Exam. Coordinator : <i>S. Mandal</i> Date :	TYPE QUESTION	TOTAL MARKS	OBTAINED MARKS	S A T	50 (FIFTY)		M A T	50 (FIFTY)		TOTAL	100	
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ROUGH WORK

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Total Questions: 50 SAT(Subject Ability Test) (1x50=50)

Class IX

1. Choose the correct synonym of RELUCTANT .
a) Willing b) Hesitant c) Happy d) Active
2. Choose the correct antonym of GENEROUS.
a) Kind b) Selfish c) Helpful d) Noble
3. Choose the meaning of the idiom: Hit the nail on the head
a) Strike with a hammer b) Give the exact answer c) Repair something d) Miss the point
4. Fill in the blank. She succeeded _____ hard work.
a) from b) through c) with d) by
5. Change into passive voice. The teacher praised the student.
a) The student was praised by the teacher. b) The student praised the teacher. c) The teacher was praised. d) The student has praised.
6. Change into indirect speech. He said, "We will finish the work tomorrow."
a) He said that they would finish the work the next day. b) He said they finish the work tomorrow. c) He says they would finish. d) He told they finished.
7. Choose the correctly spelt word.
a) Embarrasment b) Embarrassment c) Embarrasment d) Embarrassmant
8. Fill in the blank. I have lived here _____ five years.
a) since b) for c) from d) by
9. Which sentence is grammatically correct?
a) Everyone have completed the task. b) Everyone has completed the task. c) Everyone are completing. d) Everyone were completed.
10. Choose the correct article. He is _____ European citizen.

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a) an b) a c) the d) no article

11. Which part of the plant absorbs water?

a) Stem b) Root hair c) Leaf d) Flower

12. The largest organ in the human body is

a) Liver b) Brain c) Skin d) Heart

13. Which blood vessel carries oxygenated blood from lungs to heart?

a) Pulmonary artery b) Pulmonary vein c) Aorta d) Vena cava

14. Which disease is caused by deficiency of iodine? a) Goitre b) Scurvy c) Beriberi d) Anaemia

15. Which gas is released during photosynthesis?

a) Nitrogen b) Oxygen c) Carbon dioxide d) Hydrogen

16. Which tissue transports food in plants?

a) Xylem b) Phloem c) Cambium d) Cortex

17. Which organism belongs to Kingdom Fungi?

a) Moss b) Mushroom c) Fern d) Algae

18. Which organ filters blood in humans?

a) Kidney b) Lung c) Liver d) Pancreas

19. SI unit of pressure is

a) Newton b) Pascal c) Joule d) Watt

20. Which quantity is scalar?

a) Force b) Velocity c) Speed d) Momentum

21. Why does ice float on water?

a) It is heavier. b) It has lower density. c) It contains air. d) It is colder.

22. One mole of carbon contains

a) 12 atoms b) 6.022×10^{23} atoms c) 24 atoms d) 18 atoms

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23. Which indicator turns red in acidic solution?

- a) Phenolphthalein b) Methyl orange c) Turmeric d) Litmus paper (blue)

24. Which metal is liquid at room temperature?

- a) Iron b) Mercury c) Aluminium d) Zinc

25. Which process converts liquid into gas below boiling point?

- a) Condensation b) Sublimation c) Evaporation d) Freezing

26. Which gas is commonly used in soft drinks?

- a) Oxygen b) Carbon dioxide c) Nitrogen d) Hydrogen

27. Which instrument measures electric current?

- a) Voltmeter b) Ammeter c) Galvanometer d) Barometer

28. Which of the following is a chemical change?

- a) Melting wax b) Rusting of iron c) Breaking glass d) Boiling water

29. Which acid is present in lemon?

- a) Acetic acid b) Citric acid c) Hydrochloric acid d) Sulphuric acid

30. The SI unit of work is

- a) Newton b) Joule c) Watt d) Pascal

31. Which mirror is used in vehicle rear-view mirrors?

- a) Convex mirror b) Concave mirror c) Plane mirror d) Cylindrical mirror

32. Which metal reacts vigorously with cold water?

- a) Gold b) Sodium c) Copper d) Silver

33. The boiling point of pure water at normal atmospheric pressure is

- a) 90°C b) 95°C c) 100°C d) 105°C

34. Which law states that pressure exerted by a fluid is transmitted equally in all directions?

- a) Newton's Law b) Pascal's Law c) Ohm's Law d) Boyle's Law

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35. Which gas is most abundant in Earth's atmosphere?

- a) Oxygen b) Carbon dioxide c) Nitrogen d) Argon

36. Which element has the chemical symbol K?

- a) Calcium b) Krypton c) Potassium d) Cobalt

37. If , $5x-7= 18$ then $x= ?$

- a) 3 b) 4 c) 5 d) 6

38. The remainder when $x^2+ 4x + 3$ is divided by $(3x + 2)$ is

- a) -1 b) -2 c) 0 d) 1

39. The area of a square whose side is $3x+2$ cm is

- a) $9x^2 + 12x+ 4$ b) $6x+4$ c) $3x^2 +2$ d) $9x^2 +4$

40. Which of the following is a quartic polynomial?

- a) $x^4- 2x + 5$ b) $x^3+ 2$ c) $x^2 +5$ d) $5x+3$

41. Which ordered pair satisfies?

- a) (3,5) b) (4,3) c) (5,1) d) (2,8)

42. The product of two consecutive integers is 72. The integers are

- a) 8 and 9 b) 7 and 8 c) 6 and 12 d) 9 and 10

43. A shopkeeper marks an item at ₹1200 and offers 15% discount. The selling price is

- a) ₹1000 b) ₹1020 c) ₹1050 d) ₹1080

44. Which of the following is an irrational number?

- a) 0.75 b) $\sqrt{7}$ c) 2.5 d) $9/11$

45. A car travels 180 km in 3 hours. Its average speed is

- a) 50 km/h b) 55 km/h c) 60 km/h d) 65 km/h

46. The sum of interior angles of a hexagon is

- a) 540° b) 720° c) 900° d) 1080°

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47. The circumference of a circle of radius 14 cm is

- a) 44 cm b) 88 cm c) 66 cm d) 28π cm

48. A cylindrical tank has radius 7 cm and height 20 cm. Its volume is

- a) 3080 cm^3 b) 1540 cm^3 c) 980 cm^3 d) 440 cm^3

49. If the length of a rectangle increases by 20% while the breadth remains unchanged, the area increases by

- a) 10% b) 15% c) 20% d) 40%

50. The median of the numbers 5, 8, 12, 7, 10 is

- a) 7 b) 8 c) 9 d) 10

Total Questions: 50 MAT (Mental Ability Test) (1x50=50)

51. Where is the headquarters of the World Health Organization (WHO) located?

- a) Paris b) Geneva c) New York d) Vienna

52. Who founded the Gupta Empire?

- a) Chandragupta I b) Samudragupta c) Chandragupta II d) Harshavardhana

53. The famous Sun Temple is situated at

- a) Bhubaneswar b) Konark c) Madurai d) Hampi

54. Which gas is mainly used in fire extinguishers?

- a) Oxygen b) Nitrogen c) Carbon dioxide d) Hydrogen

55. National Science Day is celebrated on

- a) 28 February b) 5 June c) 8 March d) 14 November

56. The Losar Festival is mainly celebrated in

- a) Odisha b) Sikkim c) Punjab d) Gujarat

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57. The highest mountain peak in India is

- a) Kangchenjunga b) Nanda Devi c) Kamet d) Annapurna

58. Which plant is commonly known as the "Touch-me-not" plant?

- a) Neem b) Mimosa pudica c) Banyan d) Sunflower

59. The full form of GPS is

- a) Global Positioning System b) General Positioning Service c) Global Public Service
d) General Public System

60. Which is the central bank of India?

- a) SBI b) RBI c) NABARD d) PNB

61. The Toda tribe mainly lives in

- a) Nilgiri Hills b) Arunachal Pradesh c) Meghalaya d) Rajasthan

62. What is the full form of ISRO?

- a) Indian Space Research Organisation b) International Space Research Organisation
c) Indian Scientific Research Office d) International Satellite Research Office

61. The Quit India Movement was launched in

- a) 1930 b) 1942 c) 1947 d) 1919

64. Who founded the Mughal Empire in India?

- a) Humayun b) Akbar c) Babur d) Sher Shah

65. Who wrote Treasure Island?

- a) Charles Dickens b) Robert Louis Stevenson c) Rudyard Kipling d) Mark Twain

66. The Sahara Desert lies in

- a) Asia b) Europe c) Africa d) Australia

67. The shortest day in the Northern Hemisphere generally occurs on

- a) 21 June b) 22 December c) 21 March d) 23 September

68. EEG s used to examine the

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a) Heart b) Brain c) Kidney d) Liver

69. Which country hosted the 2024 Summer Olympics?

a) Japan b) France c) Australia d) USA

70. Who was the first Indian to receive the Nobel Prize?

a) C. V. Raman b) Rabindranath Tagore c) Mother Teresa d) Amartya Sen

71. Which is the largest hot desert in the world?

a) Gobi b) Sahara c) Thar d) Arabian

72. Which gas is most abundant in Earth's atmosphere?

a) Oxygen b) Carbon dioxide c) Nitrogen d) Argon

73. Which city is known as the "Pink City" of India?

a) Udaipur b) Jaipur c) Jodhpur d) Bhopal

74. Who is the founder of Amazon?

a) Elon Musk b) Jeff Bezos c) Bill Gates d) Larry Page

75. Who wrote the novel The Adventures of Tom Sawyer?

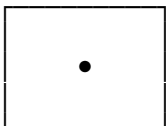
a) Mark Twain b) Jules Verne c) Ruskin Bond d) Arthur Conan Doyle

76. B 3 F 7

If a mirror is placed on the right side, what will be the mirror image?

a) L F E d b) 7 F 3 B c) L d E d d) B 3 F 7

77. A square sheet is folded once vertically and then once horizontally. A hole is punched at the centre.



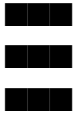
After unfolding, how many holes will appear?

a) 2 b) 4 c) 6 d) 8

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78. Cube Counting

How many cubes are there?



($3 \times 3 \times 3$ cube)

- a) 18 b) 24 c) 27 d) 36

79. Which figure contains the following shape?



- a) $\square$ b) $\blacklozenge$ c) $\star$ d) $\triangle$ inside a square

80. Which is the water image of P 6 M

- a) W 9 d b) M 6 P c) P 9 W d) W 6 P

81. Which option completes the pattern?



- a) $\blacksquare$ b) $\blacktriangle$ c) $\bullet$ d) $\star$

82. A dice has

- Opposite of 1 $\rightarrow$ 6
- Opposite of 2 $\rightarrow$ 5
- Opposite of 3 $\rightarrow$ 4

If 1 is on the top and 2 is in front, which number is at the bottom?

- a) 2 b) 4 c) 5 d) 6

83. N
 ↑
W ← Person → E
 ↓
 S

The person turns right, then right, then left.

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Now he faces

- a) North b) East c) South d) West

84. Matrix Pattern

○	△	□
△	□	○
□	○	?

Find the missing figure.

- a) △ b) ○ c) □ d) ★

85. Analogy (Figure Based)

△ : △△ :: □ : ?

- a) □□ b) △□ c) ○○ d) □△

86. Eight students A, B, C, D, E, F, G, and H sit around a circular table facing the centre.

- A sits second to the left of C.
- B sits opposite D.
- E is between A and G.
- H is immediately right of C.
- F is not adjacent to B.

Who sits opposite A?

- a) B b) D c) F d) G

87. Pointing to a woman, Rahul said, "She is the daughter of the only son of my grandfather." How is the woman related to Rahul?

- a) Sister b) Cousin c) Daughter d) Aunt

88. If MONKEY → LNPMDX and TIGER → SHFDQ then ZEBRA will be coded as

- a) YDAQZ b) YDAQB c) YDAQ@ d) YDAQA

89. A man walks

- 20 m North
- turns right and walks 15 m
- turns right and walks 25 m
- turns left and walks 10 m
- turns left and walks 5 m

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How far and in which direction is he from the starting point?

- a) 10 m East b) 15 m South-East c) 5 m East d) 20 m South

90. Statement

All books are papers. Some papers are files. No file is plastic.

Conclusions

I. Some books are files. II. No book is plastic. III. Some papers are not plastic.

Choose the correct answer.

- a) Only I follows b) Only III follows c) I and III follow d) None follows

91. $7 : 56 :: 11 : ?$

- a) 110 b) 132 c) 121 d) 154

92. A cube is painted on all six faces and then cut into 64 equal cubes.

How many cubes have exactly two painted faces?

- a) 24 b) 32 c) 16 d) 8

93.

2 5 12

3 7 24

4 9 ?

Find the missing number.

- a) 40 b) 36 c) 32 d) 45

94.

ACE

BDF

CEG

DFH

?

- a) EGI b) EFI c) FGI d) EHI

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95. Five friends P, Q, R, S, and T stand in a row.

- P is to the left of R.
- Q is to the right of T.
- R is between P and S.
- T is at one end.

Who is in the middle?

- a) P b) R c) S d) Q

96. At what time between 4 and 5 o'clock will the hands of a clock be at 90° for the first time?

- a) 4:16 b) 4:21 c) 4:27 d) 4:33

97. Five students scored different marks.

- A scored more than B.
- C scored less than D.
- E scored more than C but less than A.
- B scored more than C.

Who scored the highest?

- a) A b) D c) E d) Cannot be determined

98. $\rightarrow$ Rotate 90° clockwise.

- a) $\uparrow$ b) $\downarrow$ c) $\leftarrow$ d) $\rightarrow$

99. A cube is painted on all six faces and cut into 216 identical cubes.

How many cubes have exactly one painted face?

- a) 96 b) 120 c) 144 d) 150

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100.

