

SATCHASI CHHATRA MANGAL MERIT SEARCH TEST (SCMMST) 2024



Reg. No.: S0010324/1970-71

<p>Name of the Student:</p> <p>Roll No: Zone:</p> <p>Name of the Centre:</p> <p>Address:</p> <p>..... Pin Code</p>	<p>Class : VIII</p> <p>Full Marks : 100</p> <p>Time : 12 Noon – 2PM</p> <p>Date of Examination: 28th July, 2024</p> <p>Signature Invigilator:</p> <p>Signature of Center-In-Charge</p>
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FOR STUDENTS	FOR EXAMINER
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<p style="text-align: center;">INSTRUCTIONS</p> <ul style="list-style-type: none"> YOU WILL ANSWER IN QUESTION PAPER. YOU MUST ANSWER ALL QUESTIONS. DO NOT LOOK OTHER & OUTSIDE. ONLY CORRECT ONE WILL BE MARKED. YOU MAY MARK TICK (✓) OR ROUND WITH YOUR PEN. 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 QUESTION PAPER. 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 2 HOURS. NO EXTRA TIME WILL BE GIVEN FOR YOU FOR ANY CIRCUMSTANCE. ONLY YOU CAN DEVELOP YOURSELF. 	<p style="text-align: center;">TABLE FOR OBTAINED MARKS</p> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th style="padding: 5px;">TYPE QUESTION</th> <th style="padding: 5px;">TOTAL MARKS</th> <th style="padding: 5px;">OBTAINED MARKS</th> </tr> </thead> <tbody> <tr> <td style="padding: 5px;">S A T</td> <td style="padding: 5px;">50 (FIFTY)</td> <td style="padding: 5px;"></td> </tr> <tr> <td style="padding: 5px;">M A T</td> <td style="padding: 5px;">50 (FIFTY)</td> <td style="padding: 5px;"></td> </tr> <tr> <td style="padding: 5px;">TOTAL</td> <td style="padding: 5px;">100</td> <td style="padding: 5px;"></td> </tr> </tbody> </table> <p>Signature of Examiner :</p> <p>Signature of Coordinator :</p> <p>Date :</p>	TYPE QUESTION	TOTAL MARKS	OBTAINED MARKS	S A T	50 (FIFTY)		M A T	50 (FIFTY)		TOTAL	100	
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S A T	50 (FIFTY)												
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TOTAL	100												

SUBJECT ABILITY TEST (SAT)

Class – VIII

1x50=50

(Bengali Version)

1. উপগ্রহ পৃথিবীর চারিদিকে কোন বলের সাহায্যে ঘোরে?
a) তড়িৎ বল b) চুম্বকীয় বল c) মহাকর্ষ বল d) স্পর্শ বল
2. সেই গাড়িতে উঠো না যেটি চলছে - এই বাক্যটি হল -
a) সরল বাক্য b) জটিল বাক্য c) যৌগিক বাক্য d) সবকটি
3. অনুপস্থিত অংশটি নির্ণয় কর -
 $(x+b) (?) = x^2+(a+b)x+ab$
a) $2+a$ b) $a-b$ c) $x+a$ d) $a+b$
4. Direction: Identity the appropriate antonyms for the word. Elegant
a) Regal b) Uncouth c) Clean d) Refined
5. মুরগীর ডিম হল -
a) কলা b) অঙ্গ c) তন্ত্র d) কোষ
6. কোন ভারতীয় অভিনেতা তৃতীয় লতা মঙ্গেশকর পুরস্কার পান?
a) শাহরুখ খান b) এ. আর. রহমান c) অমিতাভ বচ্চন d) দিলীপ কুমার
7. ভুল উত্তরটি বাছাই কর -
a) অ্যানথ্রাক্স হল ব্যাকটেরিয়া ঘটিত রোগ যা মানুষ ও পশুকে প্রভাবিত করে
b) খাদ্যে বিষক্রিয়ার কারণ Clostridium botulinum ব্যাকটেরিয়া।
c) Citrus Cancer একটি ভাইরাস ঘটিত রোগ।
d) Blendi Yellow Vein mosaic রোগটি একটি ভাইরাস ঘটিত রোগ।
8. Pick out the participle in the following sentence.
“Knowing his aptitude, he should have scored more runs.”
a) Knowing b) Aptitude c) Scored d) Runs
9. কোষ আবিষ্কার করেন -
a) রবার্ট ব্রাউন b) রবার্ট হুক c) জন মেডল d) চার্লস ডারউইন
10. Choose the option which best expresses the given sentence in direct speech
He said, “I know a better shop”

- a) He said that he had knew a better shop
- b) He said that he Knew a better shop
- c) He said that he had known a better shop
- d) He said that I know a better shop.

11. তাপীয় প্রসারণের সঠিক উর্দ্ধক্রমটি হল -

- a) তরল, কঠিন, গ্যাস
- b) গ্যাস, তরল, কঠিন
- c) কঠিন, গ্যাস, তরল
- d) কঠিন, তরল, গ্যাস

12. প্লাবতার একক হল -

- a) নিউটন
- b) মিটার
- c) বর্গমিটার
- d) লিটার

13. In the following sentences fill in the blank with suitable form of verb:

MY Suitcase is light enough _____ this time.

- a) Carry
- b) Carrying
- c) To carry
- d) Both 'b' and 'c'

14. $y^2 + \frac{1}{y^2} + 2$ এর বর্গমূল হবে -

- a) $y + \frac{1}{y}$
- b) $y - \frac{1}{y}$
- c) $y^2 + \frac{1}{y^2}$
- d) $y^2 - \frac{1}{y^2}$

15. She never does anything unless her parents allow it.

- a) Adjective Clause
- b) Noun Clause
- c) Adverb Clause
- d) None of this

16. সোনা নিম্নলিখিতগুলির মধ্যে কোনটির খনিজ পদার্থ?

- a) লোহা
- b) লোহা বিহীন
- c) উভয়
- d) কোনটিই নয়।

17. কোন কোষটি আকার পরিবর্তনের ক্ষমতা রাখে?

- a) অ্যামিবা কোষ
- b) শ্বেত রক্তকণিকা
- c) উভয়ই
- d) কোনটিই নয়

18. She is riding her bike.

The passive form of the above sentences is –

- a) Her bike is ridden by her.
- b) Her bike is being ridden by her.
- c) Her bike is riding be her.
- d) Her bikes are ridden be her.

19. ISL- 2024 কোন খেলোয়াড় ম্যান অব্ দ্য ম্যাচ হয়েছেন?

- a) ডি পেট্রাতোস b) এম তালাল c) টি জুরিখ d) বি. কে. সিং

20. দড়ি টানাটানি খেলায়, যখন দুটি দল দড়ি টানে এবং একে অপরে দিকে কোন দলই অগ্রসর হতে পারে না - এটি নির্দেশ করে -

- a) একই দিকে সমান বল কাজ করছে
b) বিপরীত দিকে সমান বল কাজ করছে
c) শুকান বল কোন দিকেই কাজ করছে না।
d) ব্যাখ্যা করা সম্ভব নয়।

21. x এর 45% = y এর 27% হয় তবে x, y এর কত শতাংশ হবে।

- a) 50% b) 40% c) 70% d) 60%

22. Match the given Columns and Select the Correct option.

COLUMNS - I (SPORTS)	COLUMNS - II (SPORTS)
i) Polo	1. USA
ii) Hockey	2. India
iii) Basketball	3. England
iv) Chess	4. Iran

- a) i - 3, ii - 1, iii - 2, iv - 4 b) i - 4, ii - 3, iii- 1, iv - 2
c) i - 2, ii - 1, iii - 3, iv - 4 d) i - 1, ii- 4, iii - 3, iv - 2

23. কোষ এর প্রধান নিয়ন্ত্রনকারী একক হল -

- a) সাইটোপ্লাজম b) কোষ প্রাচীর c) নিউক্লিয়াস d) মাইটোকনড্রিয়া

24. নিম্ন লিখিত গুলির মধ্যে কোনটি কঠিন পাথর থেকে তৈরী?

- a) কোর b) ক্রাস্ট c) ম্যান্টেল d) কোনটিই না।

25. তার সম্পর্কে বলো না - আমি জানি তাকে কেউ পছন্দ করে না - এখানে সর্বনাম পদ কটি আছে?

- a) ছয় b) সাত c) পাঁচ d) চার

26. I _____ a n exam for two years.

- a) hasn't made c) hasn't took
b) haven't taken d) None of the above

27. কোনটি ভাইরাস ঘটিত রোগ?

- a) চুলকানি b) AIDS c) কলেরা d) সবকটি

28. কোনটি জারক?

- a) HCl b) HBr c) H₂ d) Cl₂

29. Direction: Chose the correct synonyms – Rectify

- a) Amend b) Reason c) Create d) Annual

30. চন্দন তার প্রাথমিক টাকার 60% ব্যয় করার পর তার কাছে 12000 অবশিষ্ট থাকে। তার প্রাথমিক টাকার পরিমাণ কত ছিল?

- a) 24000 b) 30000 c) 60000 d) 27260

31. কোষের শক্তিস্বর হল -

- a) নিউক্লিয়াস b) মাইটোকন্ড্রিয়া c) সেন্ট্রোজোম d) রাইবোজোম

32. মান নির্ণয় কর - $\sqrt[3]{729}$ - a) 7 b) 3 c) 0 d) 9

33. Constituent Assembly that drafted our constitution was elected on the recommendation of -

- a) The Cripps proposals b) The Cabinet Mission
c) The Indian Independence Act. d) The Wavell Plan

34. নিউক্লিয়াস ক্লোরোপ্লাস্ট ও মাইটোকন্ড্রিয়া এর মধ্যে সাধারণ বৈশিষ্ট্য হল -

- a) DNA b) ল্যামেলা c) ক্রিস্টাল d) সবকটি

35. The dog _____ since last night.

- a) Bark b) have bark c) have been barking d) has been barking

36. কোনটি অধঃক্রমে আছে?

- a) $\frac{-7}{10}, \frac{-3}{5}, \frac{-4}{15}, \frac{1}{30}$ b) $\frac{1}{30}, \frac{-3}{5}, \frac{-4}{15}, \frac{7}{10}$ c) $\frac{1}{30}, \frac{-4}{15}, \frac{-3}{5}, \frac{-7}{10}$ d) $\frac{-7}{10}, \frac{-4}{15}, \frac{-3}{5}, \frac{1}{30}$

37. আমরা অ-উজ্জ্বল বস্তুকে দেখি যখন -

- a) আলো বস্তু থেকে নিঃসৃত হয় b) আলো বস্তু থেকে প্রতিফলিত হয়
c) আলো সম্পূর্ণভাবে বস্তু মধ্যে প্রবেশ করে। d) আলো বস্তু দ্বারা সম্পূর্ণভাবে গৃহীত হয়।

38. Which is the Highest peak of South America?

- a) Mt. quirito b) Mt. Etna c) Mt. aconcagua d) Mt. Cotopaxy

39. My mother said to me, "Please do not disturb me." What will be the indirect Speech of this sentence?

- a) My mother request me to do not disturb her.
- b) My mother request me not to disturb her.
- c) My mother told me to disturb her.
- d) My mother asked that not a disturb her.

40. Where is the national Dope Testing Laboratory, the only Laboratory in India Responsible for sports dope testing situated?

- a) New Delhi
- b) Hyderabad
- c) Kochi
- d) Chennai

41. Match Column I with Column II and select the correct option from given codes.

COLUMNS - I	COLUMNS - II
i) Small grain pieces fall down while sieving grains	A. Magnetic Force
ii) Small filled balloon moving up in air	B. Electric Force
iii) During dry weather we see hair flying apart while combing it.	C. Gravitational Force
iv) Doorbell Chimes when we press the button.	D. Buoyant Force
v) Meter burns in air after it enters atmosphere	E. Frictional Force
vi) During dry weather, synthetic Clothes often stick to our skin.	

- a) i – C, ii – D, iii – B, iv – A, v – E, vi - D
- b) i – C, ii – D, iii – B, iv – A, v – E, vi - B
- c) i – C, ii – D, iii – B, iv – A, v – B, vi - B
- d) i – B, ii – D, iii – B, iv – A, v – B, vi – B

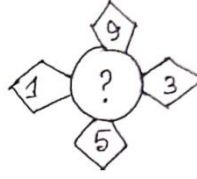
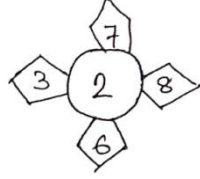
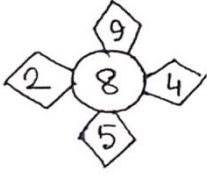
42. বাবার বর্তমান বয়স ছেলের বয়সের সাতগুন। 10 বছর পর বাবার বয়স ছেলের বয়সের তিনগুন হবে। তাহলে ছেলে ও বাবার বর্তমান বয়স লেখ।

- a) 7, 35 b) 5, 35 c) 10, 30 d) 10, 35
43. 0.5m^2 ক্ষেত্রফল বিশিষ্ট আয়তনে 20 kg জলের দ্বারা প্রযুক্ত চাপ নির্ণয় কর।
- a) 192N/m^2 b) 292N/m^2 c) 392N/m^2 d) 492N/m^2
44. কোন খনিজ পদার্থ থেকে সিলিকন পাওয়া যায় -
- a) কোয়ার্জ b) বক্সাইট c) থোরিয়াম d) কোনটিই নয়।
45. Fill in the blanks with appropriate article and prepositions
- The great man was born _____ 1947.
- He was well-known as _____ artist
- a) In, a b) in, the c) on, an d) to, the
46. SAARC এর সদর দপ্তরটি অবস্থিত -
- a) নেপাল b) ভারত c) ভূটান d) শ্রীলঙ্কা
47. কোনটি তড়িৎ বিশ্লেষ্য পদার্থ নয়?
- a) NaCl b) NH_4Cl c) CH_3COOH d) $\text{C}_6\text{H}_{12}\text{O}_6$
48. আফগানিস্তানের সাথে ভারতীয় সীমার দৈর্ঘ্য কত?
- a) 106 কিমিঃ b) 601 কিমিঃ c) 575 কিমিঃ d) 755 কিমিঃ
49. Select the Antonyms of abuse –
- a) Illiterate b) Damage c) Praise d) Destroy
50. কোষের রান্নাঘর বলে -
- a) কোষপ্রাচীর b) নিউক্লিয়াস c) গহ্বর d) প্লাস্টিড

MENTAL ABILITY TEST (MAT)

Class VIII

51. অনুপস্থিত সংখ্যাটি নির্ণয় কর -



- a) 12 b) 10 c) 6 d) 5

52. শূন্যস্থান পূর্ণ কর -

1	2	3
11	7	5
120	45	?

- a) 19 b) 17 c) 16 d) 15

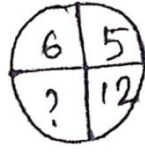
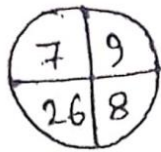
53. একজন মহিলা বললো, লোকটি দাড়িয়ে আছে সে তার দাদুর একমাত্র ছেলের কন্যা কিভাবে ঐ মহিলা, লোকটির সাথে সম্পর্কযুক্ত -

- b) বোন b) মা c) কাকিমা d) খুরতুতো বোন

54. In a certain Code language 3a, 2b, 7c means "Truth is Eternal", 7c, 8b, 3a means "Enmity is not Eternal" and 9a, 4b, 2b, 6b means "Truth does not perish" which of the following means "Enmity" is that language?

- a) 3a b) 7c c) 8b d) 9a

55. '?' চিহ্নিত স্থানটি নির্ণয় কর।



- a) 25 b) 26 c) 27 d) 28

56. যদি রাহুল বলে অজয়ের 'মা' হল - আমার মা এর একমাত্র কন্যা। তাহলে রাহুলের সাথে সম্পর্ক কি?

- a) ভাই b) দাদু c) বাবা d) মামা

57. একটি ঘরের দৈর্ঘ্য প্রস্থ যথাক্রমে 8m ও 6m একটি বিড়াল চার দেওয়াল বরাবর এবং শেষে ঘরের কোনগুলি দুরত্বে দৌড়াল একটি হাঁদুর কে ধরার জন্য। বিড়াল কত দূরত্ব অতিক্রম করেছিল?

- a) 10 m b) 14 m c) 38 m d) 48 m

58. Direction: Replace the question mark with the correct option in each of the question from.

3, 8, 15, 24, _____, 48, 63

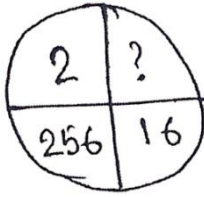
- a) 35 b) 32 c) 36 d) 30

59. Direction: Replace the question mark with the correct option.

C E H J M O ____.

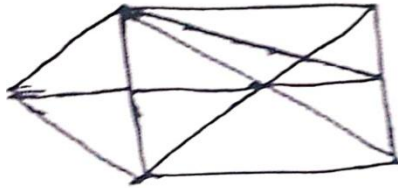
- a) Q b) R c) T d) S

60. Find the missing number.



- e) 8 b) 4 c) 32 d) 16

61. কটি ত্রিভুজ বর্তমান?



- b) 20 b) 18 c) 15 d) None of these

62. শূন্যস্থান পূর্ণ কর -

BL, FP, JT, _____, RB, VF

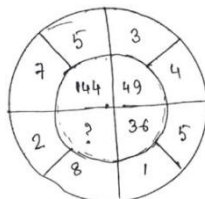
- a) MW b) NX c) OY d) MX

63. কোন সংখ্যাটি নিম্নলিখিত সারিতে মানান সেই নয়?

5, 12, 16, 24, 27

- b) 12 b) 16 c) 24 d) 27

64. শূন্যস্থান পূর্ণ কর -

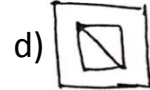
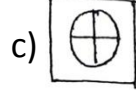
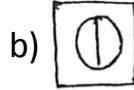
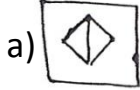
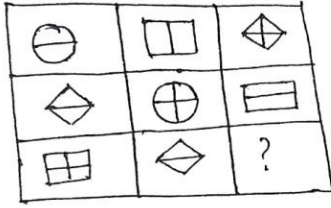


- a) 82 b) 124 c) 68 d) 100

65. মান নির্ণয় কর - $\left[\frac{156}{24} + \left\{ \frac{-24}{56} + \frac{26}{112} \right\} \times \frac{112}{44} \right]$

a) 1/6 b) 2/5 c) 6 d) 216

66.



67. সঠিক উত্তরটি লেখ -

1	1/2	3/2
2	2/3	8/3
3	3/4	?

a) 3/4 b) 2/3 c) 15/4 d) 6/7

68. তিনটি ভিন্ন অবস্থানে থাকা ছক্কার গঠন থেকে ২, এর বিপরীত দিকে অবস্থিত সংখ্যাটি নির্ণয় কর।



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

69. যুক্তি দিয়ে সাজাও

1. শিশু 2. স্কুল শিক্ষা 3. বিবাহ 4. জন্ম 5. কলেজ শিক্ষা

a) 4, 5, 2, 3, 1 b) 1, 2, 5, 4, 3 c) 4, 1, 2, 5, 3 d) 1, 2, 3, 4, 5

70. কোনটি সঠিক?

e) Arundhati Roy – ‘The end of Imagination’

f) Khushwant Sing – ‘Delhi’.

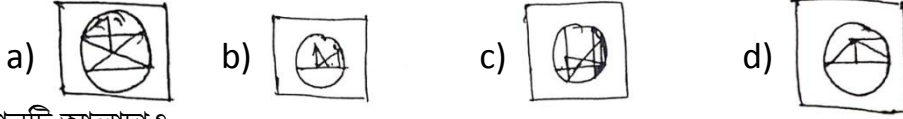
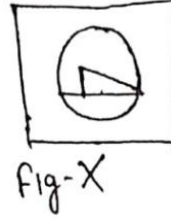
g) R. K. Laxman – Malgudi Days

h) Pupul Jayakar – Indira Gandhi – An Intimate Biography

71. একদিন সকালে সুরেশ, সূর্য উঠার পর একটি খুটির দিকে মুখ করে দাড়িয়ে ছিল। ঐ খুটির ছায়া, তার ঠিক ডান দিকে পড়ে। কোন দিকে সে মুখ করে ছিল?

b) পূর্ব b) দক্ষিণ c) পশ্চিম d) উত্তর

72. নীচের কোনটির সাথে, Fig - X কে পাওয়া যাবে?



73. কোনটি আলাদা?

- a) 431 b) 418 c) 1832 d) 580

74. কোনটি আলাদা?

- a) Ladder b) Staircase c) Bridge d) Escalator

75. শূন্যস্থান পূরণ কর -

27 : 51 and 83 : _____

- b) 123 b) 117 c) 102 d) 138

76. নীচের শব্দগুলির মধ্যে অক্ষর এর ক্রম অনুযায়ী সাজালে কোন শব্দটি সর্বশেষে আসবে?

Mammer, Malefic, Mammals, Malware

- a) Malware b) Mammer c) Malefic d) Mammals

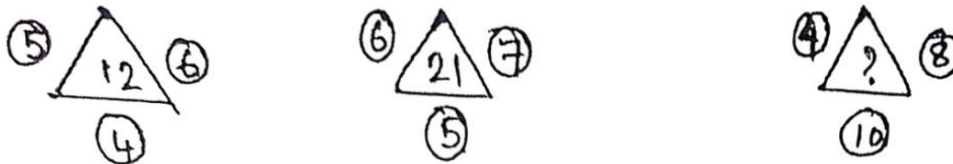
77. কোনটি আলাদা নির্ণয় কর -

- a) EFGH b) STUV c) KJIH d) WXYZ

78. কোনটি আলাদা?

- a) Cauliflower b) Cabbage c) Lady Finger d) Pomegranate

79. শূন্যস্থান পূরণ কর -



- a) 14 b) 32 c) 22 d) 320

80. A is the mother of B. B' father C has three children. Based on this information state which one of the following statement is definitely true?

- a) C has three daughter b) C has three sons
c) B is a male child d) None of this

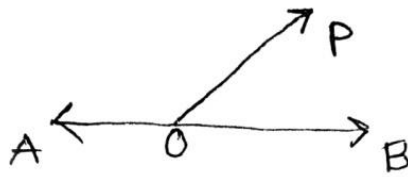
81. ? : N :: N : Z

- a) N b) Z c) Z d) N

82. Direction test: A boy rode his bicycle North ward, then turned left and rode 1 km and again turned left and rode 2 km. He found himself 1 km west of his starting point. How far did he ride north ward initially?

- a) 1 km b) 2 km c) 3 km d) 5 km

83.

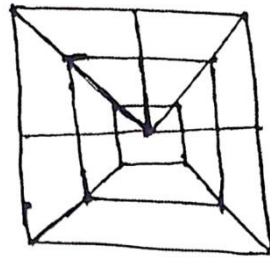


$\angle AOP$ greater than $\angle BOP$ by 140°

$\angle AOP = ?$ $\angle BOP = ?$

- a) $40^\circ, 180^\circ$ b) $30^\circ, 170^\circ$ c) $20^\circ, 160^\circ$ d) $40^\circ, 190^\circ$

84. কটি বর্গক্ষেত্র আছে নীচের দিকে?



- a) 5 b) 9 c) 7 d) 8

85. নীচের প্রদত্ত শব্দের সঠিক দর্পন প্রতিবিন্দুটি হল -

CARE @\$54

৳৫৪@৳৫৪ CARE @৳৫৪ ৳৫৪@৳৫৪ CARE @৳৫৪

- a) b) c) d)

86. THIN : MCFM :: PRTV : _____

- a) INRV b) INQU c) IMRV d) IMQU

87. কোনটি আলাদা?

- a) 99246 b) 49561 c) 78342 d) 355181

88. Which of the following statement is true?

- a) A kite has perpendicular diagonals b) A kite has congruent diagonals
c) A kite has 2 pair of parallel sides

d) All of these.

89. A child went 90 m in the East to look for his father, then he turned right and went 20 m. After this he turned right and after going 30 m he reached to his uncle's house. His father was not there. From there he went 100m and met his father. How far did he meet his father from the starting point?

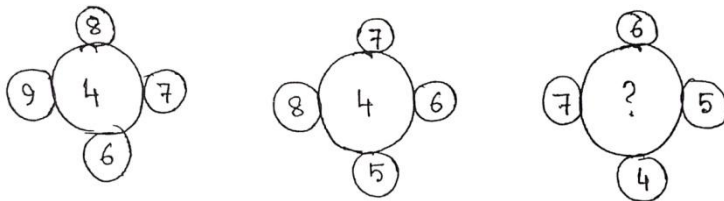
- a) 80 m b) 100 m c) 140 m d) 260 m

90. নিম্নলিখিত হবে, কোন্ সংখ্যাটি আলাদা?

7, 11, 11, 9, 15, 7, 19, 5, 23, 1

- a) 5 b) 7 c) 1 d) 9

91. শূন্যস্থান পূরণ কর -

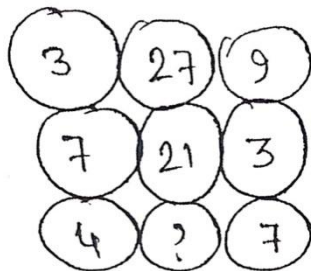


- a) 4 b) 3 c) 5 d) 6

92. "Ryder Cup" is connected with -

- a) Golf b) Cricket c) Hockey d) Football

93. শূন্যস্থান পূরণ কর -



- a) 11 b) 28 c) 35 d) 48

94. In a certain code ALPACA is written as ACAPLA how will ANIMAL be written in that code?

- a) LAMINA b) ALAMIN c) LAMNIA d) AAMLIN

95. If $2 \times 8=4$, $3 \times 27=9$, $6 \times 24=4$ than $5 \times 40=?$

- a) 12 b) 10 c) 8 d) 6

96. The following question is based on the information given below:

- i) S x T means S is the brother of T

ii) $S - T$ means S is the mother of T

iii) $S \div T$ means S is the father of T

Which of the following means M is the grandmother of Q?

- a) $M - R \div Q$ b) $M \div R \times Q$ c) $M - R \times Q$ d) $Q \div M - R$

97. "Remal" বড় এর নাম "Remal" কথাটি কোন দেশ এটিকে নাম করণ করে?

- a) Oman b) America c) India d) China

98. If 'x' is called '+', '÷' is called '-', '-' is called 'x' and '+' is called '+', then the value of $64 + 4 - 8 \div 6 \times 4 = ?$

- a) $14 \frac{3}{8}$ b) 140 c) 126 d) 5

99. If GIVE is coded as 5137 and BAT is coded as 924. How is GATE Coded?

- a) 5427 b) 5247 c) 2547 d) 5724

100. Direction: find the missing term in the following series.

C4X, F9U, I16R, _____

- a) K25P b) L25P c) L27P d) L250

SUBJECT ABILITY TEST (SAT)

Class VIII

1x50=50

(English Version)

1. Satellite revolves around the earth with the help of –
 - a) Electric force
 - b) Magnetic force
 - c) Gravitational force
 - d) Contact force
2. Don't get into the vehicle which is moving – the sentence is
 - a) Simple
 - b) Complex
 - c) Compound
 - d) All of them
3. Find the missing term in the given problem?
 $(x+b)(?) = X^2 + (a + b)x + ab.$
 - a) $x + a$
 - b) $a - b$
 - c) $x + a$
 - d) $a + b$
4. Direction: Identity the appropriate antonyms for the words. Elegant
 - a) Regal
 - b) Uncouth
 - c) Clean
 - d) Refined
5. Hen's egg is a
 - a) Tissue
 - b) Organ
 - c) Organ System
 - d) Cell
6. Which Indian Cinema legend was awarded the 3rd Lata Deenanath Mangeskar Award
 - a) Shah Rukh Khan
 - b) A.R. Rahaman
 - c) Amitabh Bachchan
 - d) Dilip Kumar
7. Select the incorrect Statement.
 - a) Anthrax is a bacterial disease that affects humans and cattle.
 - b) Clostridium botulinum is a bacterial that causes food poisoning.
 - c) Citrus Cancer is viral disease that affects citrus fruits.
 - d) Bhendi yellow vein mosaic disease is a viral disease that affect okra.
8. Pick out the participle in the following sentence.
"Knowing his aptitude, he should have scored more runs."
 - a) Knowing
 - b) Aptitude
 - c) Scored
 - d) Runs
9. Cell is discovered by –
 - a) Robert Brown
 - b) Robert Hooke
 - c) John Mendal
 - d) Chase Darwin
10. Choose the option which best expresses the given sentence in direct speech

He said, "I know a better shop"

- a) He said that he had knew a better shop
- b) He said that he Knew a better shop
- c) He said that he had known a better shop
- d) He said that I know a better shop.

11. Choose the correct order in terms of increasing order of thermal expansion.

- a) Liquid, Solid, Gas
- b) Gas, Liquid, Solid
- c) Solid, Gas, Liquid
- d) Solid, Liquid, Gas

12. The unit of Buoyancy is –

- a) Newtown
- b) Meter
- c) Sq. meter
- d) Litter

13. In the following sentences fill in the blank with suitable form of verb:

My Suitcase is light enough _____ this time.

- a) Carry
- b) Carrying
- c) To carry
- d) Both 'b' and 'c'

14. The Square root of $y^2 + \frac{1}{y^2} + 2$ is –

- a) $y + \frac{1}{y}$
- b) $y - \frac{1}{y}$
- c) $y^2 + \frac{1}{y^2}$
- d) $y^2 - \frac{1}{y^2}$

15. She never does anything unless her parents allow it.

- a) Adjective Clause
- b) Noun Clause
- c) Adverb Clause
- d) None of this

16. Gold is an example of minerals

- a) Ferrous
- b) Non-ferrous
- c) Both (a) and (b)
- d) None of this

17. The cell capable of changing shapes are –

- a) Amoeba Cell
- b) White blood Cell (WBC)
- c) Amoeba Cell and WBC
- d) None of the options

18. She is riding her bike.

The passive form of the above sentences is –

- a) Her bike is ridden by her.
- b) Her bike is being ridden by her.
- c) Her bike is riding be her.

d) Her bikes are ridden by her.

19. In "Indian Super League" – 2024 who won the player of the match?

- a) D. Petratos b) M. Total c) T. Zurich d) B.K. Singh

20. If in a tug-o-war, when two teams are pulling a rope and the rope does not move towards any team, it implies that –

- a) Equal force is being applied in the same direction.
b) Equal force is being applied in opposite direction.
c) No force is applied in any direction.
d) Can not be explained.

21. If 45% of a number x is equal to the 27% of another number y, then x is what percent of y?

- a) 50% b) 40% c) 70% d) 60%

22. Match the given Columns and Select the Correct option.

COLUMNS - I (SPORTS)	COLUMNS - II (SPORTS)
i) Polo	1. USA
ii) Hockey	2. India
iii) Basketball	3. England
iv) Chess	4. Iran

- a) i – 3, ii – 1, iii – 2, iv – 4 b) i – 4, ii – 3, iii- 1, iv – 2
c) i – 2, ii – 1, iii – 3, iv – 4 d) i – 1, ii- 4, iii – 3, iv – 2

23. The control unit of Cell is –

- a) Cytoplasm b) Cell-Wall c) Nucleus d) Mitochondria

24. Which among the following is made of solid rocks?

- a) Core b) Crust c) Mantle d) None of these

25. Don't say about him. I know that none like him.

How many pronouns are there?

- a) Six b) Seven c) Five d) Four.

26. I _____ a n exam for two years.

- a) has n't made c) has n't took

- b) have n't taken d) None of the above
27. Which of these is viral disease?
 a) Itching b) AIDS c) Cholera d) All of them
28. Among these which is oxidant?
 a) HCl b) HBr c) H₂ d) Cl₂
29. Direction: Chose the correct synonyms – Rectify
 a) Amend b) Reason c) Create d) Annual
30. If Chandan had ₹ 12000 left after spending 60% of his money, than how much did he have in the beginning?
 a) ₹ 24000 b) ₹ 30000 c) ₹ 60000 d) ₹ 27260
31. Energy house of the cell is –
 a) Nucleus b) Mitochondria c) Centrosome d) Ribosomes
32. Find out the value $\sqrt[3]{729}$ - a) 7 b) 3 c) 0 d) 9
33. Constituent Assembly that drafted our constitution was elected on the recommendation of -
 a) The Cripps proposals b) The Cabinet Mission
 c) The Indian Independence Act. d) The Wavell Plan
34. The Common feature amongst nucleus, Chloroplast and Mitochondria is –
 a) DNA b) Lamella c) Cristae d) All of these
35. The dog _____ since last night.
 a) Bark b) have bark c) have been barking d) has been barking
36. Which of the following is arranged in descending order
 a) $\frac{-7}{10}, \frac{-3}{5}, \frac{-4}{15}, \frac{1}{30}$ b) $\frac{1}{30}, \frac{-3}{5}, \frac{-4}{15}, \frac{7}{10}$ c) $\frac{1}{30}, \frac{-4}{15}, \frac{-3}{5}, \frac{-7}{10}$ d) $\frac{-7}{10}, \frac{-4}{15}, \frac{-3}{5}, \frac{1}{30}$
37. We can see a non-luminous object when light –
 a) Emitted by the object falls on the eye.
 b) Reflected from the object towards our eye.
 c) Completely passes through the object.
 d) Gets completely absorbed by the object.

38. Which is the highest peak of South America?
 a) Mt. quirito b) Mt. Etna c) Mt. aconcagua d) Mt. Cotopaxy
39. My mother said to me, "Please do not disturb me." What will be the indirect speech of this sentence?
 a) My mother request me to do not disturb her.
 b) My mother request me not to disturb her.
 c) My mother told me to disturb her.
 d) My mother asked that not a disturb her.
40. Where is the national Dope Testing Laboratory, the only Laboratory in India responsible for sports dope testing situated?
 a) New Delhi b) Hyderabad c) Kochi d) Chennai
41. Match Column I with Column II and select the correct option from given codes.

COLUMNS - I	COLUMNS - II
i) Small grain pieces fall down while sieving grains	A. Magnetic Force
ii) Small filled balloon moving up in air	B. Electric Force
iii) During dry weather we see hair flying apart while combing it.	C. Gravitational Force
iv) Doorbell Chimes when we press the button.	D. Buoyant Force
v) Meter burns in air after it enters atmosphere	E. Frictional Force
vi) During dry weather, synthetic Clothes often stick to our skin.	

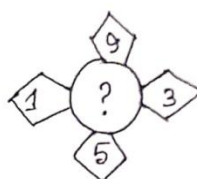
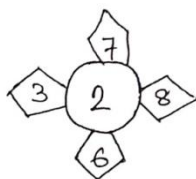
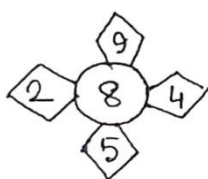
- a) i – C, ii – D, iii – B, iv – A, v – E, vi - D
 b) i – C, ii – D, iii – B, iv – A, v – E, vi - B
 c) i – C, ii – D, iii – B, iv – A, v – B, vi - B
 d) i – B, ii – D, iii – B, iv – A, v – B, vi – B
42. The present age of a Father is seven times than his son. After 10 years the age of the father will be three times of his son. Calculate the present ages of son and Father.

- a) 7, 35 b) 5, 35 c) 10, 30 d) 10, 35
43. Calculate the pressure arises by 20 kg of water in the area of 0.5m^2 ----
- a) 192N/m^2 b) 292N/m^2 c) 392N/m^2 d) 492N/m^2
44. From which mineral is silicon obtained?
- a) Quartz b) Bauxite c) Thorium d) Not any
45. Fill in the blanks with appropriate article and prepositions
- The great man was born _____ 1947.
- He was well-known as _____ artist
- a) in, a b) in, the c) on, an d) to, the
46. The main office of SAARC is in _____
- a) Nepal b) India c) Bhutan d) Srilanka
47. Which is not Electrolite
- a) NaCl b) NH_4Cl c) CH_3COOH d) $\text{C}_6\text{H}_{12}\text{O}_6$
48. What is the length of the Indian border with Afghanistan?
- a) 106 km b) 601 km c) 575 km d) 755 km
49. Select the antonym of abuse –
- a) Illetreat b) Damage c) Praise d) Destroy
50. The Kitchen of the Cell is called –
- a) Cell wall b) Nucleus c) Vacuoles d) Plastids

MENTAL ABILITY TEST (MAT)

Class VIII

51. Find the missing number.



- a) 12 b) 10 c) 6 d) 5

52. Which number will replace the Question mark in the following?

1	2	3
11	7	5
120	45	?

- a) 19 b) 17 c) 16 d) 15

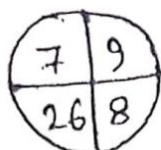
53. A lady said, the person standing there is my grandfather's only son's daughter. How is the lady related to the standing person?

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

54. In a certain Code language 3a, 2b, 7c means "Truth is Eternal", 7c, 8b, 3a means "Enmity is not Eternal" and 9a, 4b, 2b, 6b means "Truth does not perish" which of the following means "Enmity" is that language?

- a) 3a b) 7c c) 8b d) 9a

55. Which number will replace the question mark in the following?



- a) 25 b) 26 c) 27 d) 28

56. If Rahul says "Ajay's mother is the only daughter of my mother than how is Rahul is related to Ajay?"

- a) brother b) Grandfather c) Father d) Maternal uncle

57. The length and breadth of a room are 8m and 6m respectively. A cat runs along all the four walls and finally along a diagonal order to catch a rat. How much total distance is covered by the cat?

- a) 10 m b) 14 m c) 38 m d) 48 m

58. Direction: Replace the question mark with the correct option in each of the question from.

3, 8, 15, 24, _____, 48, 63

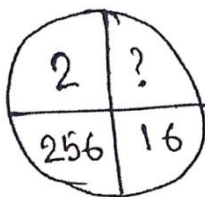
- a) 35 b) 32 c) 36 d) 30

59. Direction: Replace the question mark with the correct option.

C E H J M O ____.

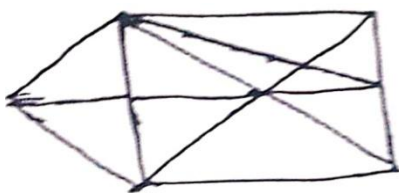
- a) Q b) R c) T d) S

60. Find the missing number.



- a) 8 b) 4 c) 32 d) 16

61. How many triangles are there in the given figure?



- a) 20 b) 18 c) 15 d) None of these

62. Fill in the blanks

BL, FP, JT, _____, RB, VF

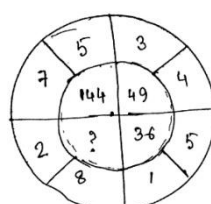
- a) MW b) NX c) OY d) MX

63. Direction: Chose the number in questions from which does not follow the pattern.

5, 12, 16, 24, 27

- a) 12 b) 16 c) 24 d) 27

64. Find the missing number.



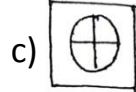
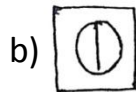
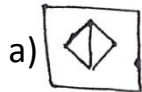
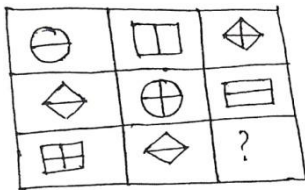
- a) 82 b) 124 c) 68 d) 100

65. The value of the given expression:-

$$\left[\frac{156}{24} + \left\{ \frac{-24}{56} + \frac{26}{112} \right\} \times \frac{112}{44} \right]$$

- a) 1/6 b) 2/5 c) 6 d) 216

66.



67. Put the correct answer –

1	1/2	3/2
2	2/3	8/3
3	3/4	?

- a) $\frac{3}{4}$ b) $\frac{2}{3}$ c) $\frac{15}{4}$ d) 6/7

68. Three different positions of a dice are shown below. Find the number on the face opposite to the face showing 2



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

69. Arrange Logically

1. Child 2. School Education 3. Marriage 4. Birth 5. College Education

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

70. Which is incorrect?

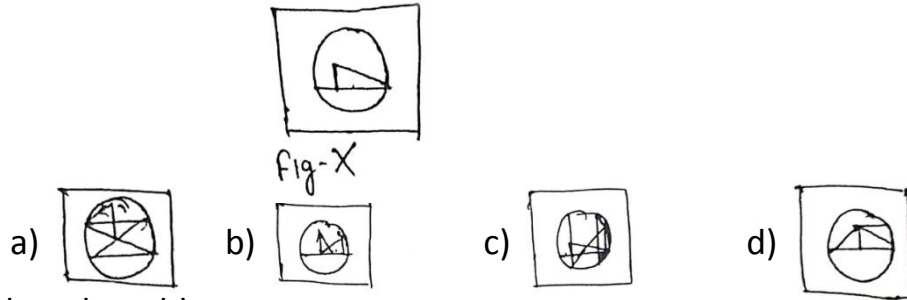
- e) Arundhati Roy – ‘The end of Imagination’
 f) Khushwant Sing – ‘Delhi’.
 g) R. K. Laxman – Malgudi Days
 h) Pupul Jayakar – Indira Gandhi – An Intimate Biography

71. One morning after sunrise, Suresh was standing facing a pole. The shadow of

Suresh fell exactly to his right. To which direction was he falling?

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

72. Direction: In which of the following options Fig (X) is exactly embedded?



73. Select the odd one

- a) 431 b) 418 c) 1832 d) 580

74. Which is different?

- a) Ladder b) Staircase c) Bridge d) Escalator

75. Find the missing number

27 : 51 and 83 : _____

- b) 123 b) 117 c) 102 d) 138

76. If the following words are arranged in the alphabetical order, then which word will appear at the end.

Mammer, Malefic, Mammals, Malware

- a) Malware b) Mammer c) Malefic d) Mammals

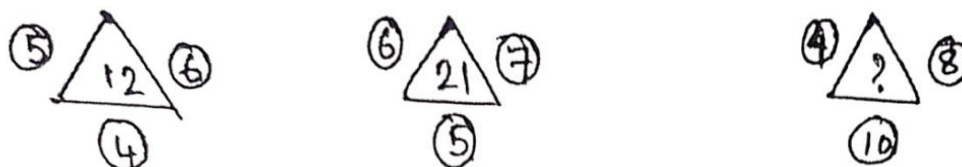
77. Find the odd one out

- a) EFGH b) STUV c) KJIH d) WXYZ

78. In the following options _____ is the odd one.

- a) Cauliflower b) Cabbage c) Lady Finger d) Pomegranate

79. Find the missing number



- a) 14 b) 32 c) 22 d) 320

80. A is the mother of B. B's father C has three children. Based on this information state which one of the following statement is definitely true?

- a) C has three daughter
- b) C has three sons
- c) B is a male child
- d) None of this

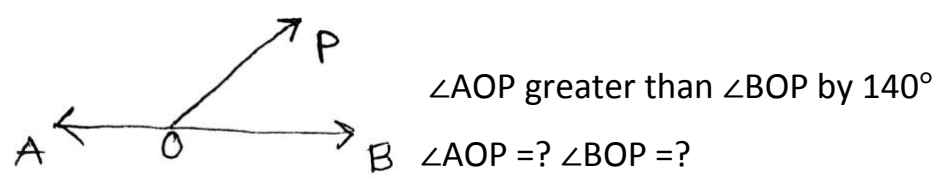
81. ? : N :: N : Z

- a) N
- b) Z
- c) Z
- d) N

82. Direction test: A boy rode his bicycle North ward, then turned left and rode 1 km and again turned left and rode 2 km. He found himself 1 km west of his starting point. How far did he ride north ward initially?

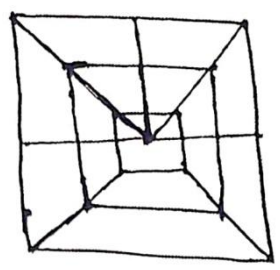
- a) 1 km
- b) 2 km
- c) 3 km
- d) 5 km

83.



- a) $40^\circ, 180^\circ$
- b) $30^\circ, 170^\circ$
- c) $20^\circ, 160^\circ$
- d) $40^\circ, 190^\circ$

84. How many squares are there in the given figure?



- a) 5
- b) 9
- c) 7
- d) 8

85. Which of the following options correctly resembles the mirror image of the given word? CARE @\$54

- a) 4\$5@E@RAC
- b) 4\$5@E@RAC
- c) 4\$5@E@RAC
- d) 4\$5@E@RAC

86. THIN : MCFM :: PRTV : _____

- a) INRV
- b) INQU
- c) IMRV
- d) IMQU

87. Find the odd one out.

- a) 99246
- b) 49561
- c) 78342
- d) 355181

88. Which of the following statement is true?

- a) A kite has perpendicular diagonals
- b) A kite has congruent diagonals

c) A kite has 2 pair of paralalled sides

d) All of these.

89. A child went 90 m in the East to look for his father, then he turned right and went 20 m. After this he turned right and after going 30 m he reached to his uncle's house. His father was not there. From these he went 100m and met his father. How far did he meet his father from the starting point?

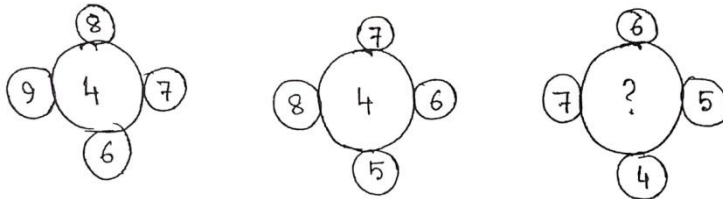
- a) 80 m b) 100 m c) 140 m d) 260 m

90. Direction: Chose the number in question from which does not follow the pattern.

7, 11, 11, 9, 15, 7, 19, 5, 23, 1

- a) 5 b) 7 c) 1 d) 9

91. Which number will replace the question mark?

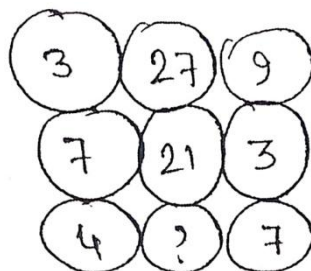


- a) 4 b) 3 c) 5 d) 6

92. "Ryder Cup" is connected with -

- a) Golf b) Cricket c) Hockey d) Football

93. Find the missing number



- a) 11 b) 28 c) 35 d) 48

94. In a certain code ALPACA is written as ACAPLA how will ANIMAL be written in that code?

- a) LAMINA b) ALAMIN c) LAMNIA d) AAMLIN

95. If $2 \times 8 = 4$, $3 \times 27 = 9$, $6 \times 24 = 4$ than $5 \times 40 = ?$

- a) 12 b) 10 c) 8 d) 6

96. The following question is based on the information given below:

i) $S \times T$ means S is the brother of T

ii) $S - T$ means S is the mother of T

iii) $S \div T$ means S is the father of T

Which of the following means M is the grandmother of Q?

a) $M - R \div Q$ b) $M \div R \times Q$ c) $M - R \times Q$ d) $Q \div M - R$

97. "Remal" Cyclone – the name "Remal" named by the country is –

a) Oman b) America c) India d) China

98. If 'x' is called '+', ' \div ' is called '-', '-' is called 'x' and '+' is called '+', then the value of $64 + 4 - 8 \div 6 \times 4 = ?$

a) $14\frac{3}{8}$ b) 140 c) 126 d) 5

99. If GIVE is coded as 5137 and BAT is coded as 924. How is GATE Coded?

a) 5427 b) 5247 c) 2547 d) 5724

100. Direction: find the missing term in the following series.

C4X, F9U, I16R, _____

a) K25P b) L25P c) L27P d) L250

ROUGH WORK