



All India Sainik Schools Entrance Examination

Time - 2 hrs 30 minutes

Marks – 300

Name - _____

Class - _____

Paper - Mathematics, Intelligence, Language And G.K Test

Section – A Mathematics

- What Is the Square of 999?
(A) 999001 (B) 998001'
(C) 988001 (D) 99801
- The Square root of 1296.
(A) 46 (B) 44
(C) 36 (D) 34
- Find the Square of $\frac{19}{26}$.
(A) $\frac{361}{576}$ (B) $\frac{381}{676}$
(C) $\frac{361}{676}$ (D) $\frac{381}{576}$
- If $\sqrt{64} \div \sqrt{x} = \frac{1}{4}$, find the value of x.
(A) 512 (B) 836
(C) 1024 (D) 1218
- If $\sqrt{15}$ 3.88, then what is the value of $\sqrt{\frac{5}{3}}$?
(A) 1.29 (B) 1.23
(C) 1.31 (D) 1.27
- How many perfect square numbers are there upto first 150 natural numbers?
(A) 11 (B) 12
(C) 13 (D) 14
- Which of the following is a perfect square number?
(A) 125 (B) 184
(C) 225 (D) 351
- The number of square number numbers lying between 75 and 225 is
(A) 5 (B) 6
(C) 7 (D) 8
- The ratio between two numbers is 3:2. If sum of their square is 208, then the greater numbers is
(A) 9 (B) 12
(C) 15 (D) 18
- Find the cube of 0.08.
(A) 0.00512 (B) 0.000612
(C) 0.000412 (D) 0.000512
- $\sqrt[3]{0.000343} - \sqrt[3]{0.000125} = ?$
(A) 0.02 (B) 0.04
(C) 0.2 (D) 0.4
- Average of 20 results is 18. If 3 is subtracted from each result, then what will be the new average?
(A) 21 (B) 15
(C) 16 (D) 17
- If the average of 14, 17, 21, 24, 26 and x is 20. Then find the value of x.
(A) 16 (B) 17
(C) 18 (D) 19
- Average of 1, 3, 5, 7, 9, 11, 13 is
(A) 7 (B) 8
(C) 7.5 (D) 8.5
- A batsman makes a score of 87 runs in the 17th match and thus increases his average by 3. Find his average after the 17th match.
(A) 36 (B) 37
(C) 38 (D) 39
- If average of the following marks obtained by students of Class- V is 35. 26, 45, 37, 43, 49, 20, x, 22 and 30. Find unknown mark j. e.x.
(A) 33 (B) 49



- (C) 37 (D) 43
17. Find the average of 4
 $\frac{1}{5}, 5\frac{3}{10}, 6\frac{2}{5}$ and $7\frac{7}{10}$.
(A) 4.7 (B) 5.3
(C) 5.7 (D) 5.9
18. The average of $5\frac{1}{6}$ and $6\frac{3}{4}$ is
(A) $5\frac{23}{24}$ (B) $6\frac{11}{16}$
(C) $5\frac{13}{24}$ (D) $6\frac{7}{12}$
19. In a family of five members, the age of father is 42 years, that of the mother is 38 years and the sum of the ages of the three children is 49 years. Find the average age of the family.
(A) 24.4 years (B) 26.2 years
(C) 25.8 years (D) 25.4 years
20. What is the average of the first six composite numbers?
(A) 7.34 (B) 9.36
(C) 7.84 (D) 8.16
21. Find the average of the first six multiples of six.
(A) 19 (B) 18
(C) 20 (D) 21
22. What is the average of the first seven multiples of 14?
(A) 52 (B) 54
(C) 56 (D) 58
23. What is the average of the first twelve counting numbers?
(A) 12 (B) 13
(C) 12.5 (D) 6.5
24. What is the average of all the even numbers from 40 to 50?
(A) 44 (B) 45
(C) 46 (D) 47
25. What is the average of all the odd numbers from 25 to 35?
(A) 28 (B) 29
(C) 30 (D) 31
26. What is the average of all the even numbers lying between 60 and 70?
(A) 64 (B) 64.5
(C) 65.5 (D) 65
27. Find the ratio of 75 kg to 5 quintals.
(A) 3:2 (B) 3:200
(C) 3:40 (D) 3:400
28. The simplest form of the ratio $3\frac{4}{5}:4\frac{1}{6}$ is
(A) 112 : 125 (B) 105 : 112
(C) 125 : 114 (D) 114:125
29. Write 27 : 36 in the simplest form:
(A) 2:3 (B) 3:4
(C) 9:12 (D) 4:7
30. $66\frac{2}{3}\%$ is expressed in the form of the ratio as :
(A) 2 : 5 (B) 2 : 3
(C) 3 : 5 (D) 3 : 8
31. Express 450 g as a ratio of $1\frac{1}{2}$ kg.
(A) 9 : 16 (B) 3 : 10
(B) 3 : 5 (D) 9 : 25
32. If 30% of $A = 0.25$ of $B = \frac{1}{5}$ of C , then $A : B : C = ?$
(A) 5 : 6 : 12 (B) 10 : 6 : 15
(C) 5 : 12 : 15 (D) 10 : 12 : 15
33. What should be added to each term of the ratio 3 : 5 so that it becomes 2 : 3 ?
(A) 1 (B) 2
(C) 3 (D) 4
34. If 88, $8x$ and 11 are in proportion, then find the value of x .
(A) 81 (B) 64
(C) 121 (D) 144
35. Ram had ₹ 40 with him. He gave ₹ 16 to Lalit and ₹ 24 to Harish. In What ratio did he distribute the money?
(A) 2 : 3 (B) 3 : 4
(C) 1 : 3 (D) 3 : 8
36. The total age of the three persons is 60 years. The ages are in the ratio of 1 : 2 : 3. What is the age of the eldest person ?
(A) 22 Years (B) 25 Years
(C) 30 years (D) 40 years



37. A number is divided into two parts such that is 2 : 1 . Find the greater part.
- (A) 148 (B) 154
(C) 164 (D) 172
38. Find the value of x , if $\frac{1}{9} : x :: \frac{1}{3} : \frac{1}{4}$.
- (A) $\frac{1}{6}$ (B) $\frac{1}{8}$
(C) $\frac{1}{12}$ (D) $\frac{1}{18}$
39. If the mean proportion of 27 and x is 54, then the value of x is
- (A) 81 (B) 96
(C) 108 (D) 243
40. Find the mean proportion of 64 and 121.
- (A) 92.5 (B) 75
(C) 88 (D) 28.5
41. Which of the following numbers in Roman Numbers is incorrect .
- (A) LXII (B) XCI
(C) LC (D) XLIV
42. If the number 43767* is divisible by 2, then, the greatest possible value of * is .
- (A) 9 (B) 8
(C) 2 (D) 0
43. There are only _____ symbols in the Roman numerals. .
- (A) 9 (B) 6
(C) 7 (D) 8
44. The difference between the place value and the face value of 6 in the number 46831 is .
- (A) 6000 (B) 1000
(C) 6825 (D) 5994
45. The value of the following product is : $57 \times 34 \times 0 \times (-36)$
- (A) 0 (B) - 69768
(C) 69768 (D) None of thee
46. $13 \times 3 (5 - 1)$ is equal to
- (A) 136 (B) 146
(C) 156 (D) 176
47. The greatest number of 5- digits which is exactly divisible by 24 is
- (A) 99999 (B) 99996
(C) 99984 (D) 99988
48. What is the value of $945.341 - 1042.792 + 875.435 + 31.025$?
- (A) 908.004 (B) 810.008
(C) 795.659 (D) 809.009
49. How many one –fourths are there in 12 ?
- (A) 12 (B) 36
(C) 72 (D) 48
50. What fraction of 5 days is 2 hours ?
- (A) $\frac{1}{5}$ (B) $\frac{1}{10}$
(C) $\frac{1}{12}$ (D) $\frac{1}{60}$
- ## Section – B Intelligence
51. If 'ARATHY' is coded as 'BSBUIZ' then 'SYSTEM' should be:
- (A)TZTUFN (B) TZTFNU
(C)TZFNUT (D) TFUZTN
52. In a certain code language, ABSOLUTE is written as ESBLOTUA. How will CALENDAR be written in that code language?
- (A)RALNEADC (B) RANLAEDC
(C)RLAENADC (D) RLANEADC
53. In a certain code language, APPROACH is coded as CHOAPRAP. How will RESTRICT BE coded?
- (A)CTRISTRE (B) TCIRSTRE
(C)RLAENADC (D) RLANEAD
54. In a certain code language, FASHION is coded as FOIHSAN. How is PROBLEM coded in that code?
- (A)PELBORM (B) PRBOELM
(C)ROBLEMP (D) RPBOELM
55. In a certain code , TEMPLE is written as METELP. How is FAITHFUL written in that code ?
- (A)TAFILUFH (B) TIAFFULH
(C)TIAFLUFH (D) TAIFULFH
56. If A = 1, CAT = 60, Then MAN = ?
- (A)52 (B)96
(C)182 (D)214
57. If GOOD = 41, then BAD = ?



- (A)6 (B)12
(C)7 (D)10

58. If the value of CAT = 24 and that of DOG = 26. What would be the value of PIG?

- (A)37 (B)25
(C)29 (D)32

DIRECTIONS (9-11): In each of the following questions, One term in the series is wrong. Find out the wrong term.

59. 3, 1.5, 1.5, 2.25, 4.55, 11.25

- (A)4.55 (B)1.5
(C)2.25 (D)11.25

60. 3, 9, 27, 81, 243, 719

- (A)243 (B)719
(C)27 (D)81

61. 25, 36, 49, 81, 121, 169, 225

- (A)49 (B)225
(C)36 (D)121

DIRECTIONS (12-17): In each of the following questions, various terms of an alphabet series are given with one or more terms missing as shown by (?). Choose the missing terms out of the given alternatives.

62. B, C, O, D, E, P, F, G, Q, ?, ?, ?

- (A)HIR (B)HIT
(C)IHR (D)HJR

63. A, Z, B, Y, C, ?

- (A)U (B)V
(C)W (D)X

64. A, Z, B, Y, C, X, D, W, E, V, F, U, G, ?

- (A)R (B)S
(C)T (D)U

65. Y, T, P, ?, K

- (A)L (B)M
(C)N (D)O

66. HK, ?, PQ, TT, XW

- (A)LK (B)KO
(C)KL (D)LN

67. JN, OR, UW, BC, ?

- (A)IJ (B)JK
(C)JJ (D)IK

68. In a family of five members, P is Q's sister and R is Q's mother, S is R's father and T is S's mother. How is P related to S?

- (A)NIECE (B)MOTHER
(C)GRANDFATHER (D)DAUGHTER

69. B does not have a sister. A is the sister-in-law of B. D is the only brother of B, while B is unmarried. F is the father-in-law of D. K is the wife of F. How is K related to A?

- (A)DAUGHTER (B)MOTHER
(C)SISTER (D)MOTHER-IN-LAW

70. F is the mother of T. T is the sister of W who is the only son of K. J is the brother of K. How is the mother of W related to K?

- (A)MOTHER (B)SISTER
(C)WIFE (D)NIECE

71. Radha is Nishant's wife and Chetan is Uma's father. If Nishant's mother-in-law is the wife of Uma's paternal grandfather, and Uma is a female, then what is the relation of Radha with Chetan's wife?

- (A)SISTER-IN-LAW
(B)SISTER
(C)COUSIN (D)NIECE

72. Pointing to a woman, a girl says, 'Her daughter-in-law is married to the only son of my husband's mother-in-law' How is the girl related to the woman?

- (A)DAUGHTER (B)COUSIN
(C)NIECE
(D)GRANDDAUGHTER

73. Introducing Reena, Mona said, "She is the only daughter of my father's only daughter". How is Mona related to Reena, if Mona is a female?

- (A)COUSIN (B)MOTHER
(C)AUNT (D)NIECE

74. Pointing towards a boy, Veer said, "He is the son of the only son of my paternal grandfather". How is the boy related to Veer?



- (A) UNCLE (B) BROTHER-IN-LAW
(C) COUSIN (D) BROTHER

75. Pointing to a lady in a photograph, Mona said, "Her father's only son's wife is my mother-in-law". How is Mona's husband related to that lady in the photo?
(A) SON (B) FATHER
(C) NEPHEW (D) UNCLE

Section – C English

Read the comprehension passage answer the following questions :

Mary looked around her new room in excitement. She had just shifted to her new house. She used her favourite colours to decorate her bedroom. She had bought two colourful posters for the light blue wall next to her bed. She also placed two yellow cushions against that wall.
On the other wall was her writing desk. It was beige in colour and matched her cupboards. Her father bought her a beautiful picture of a teddy bear with bright blue balloons. She also made a bright orange sun and pinned it up on the wall. Mary liked her new room. Even her parents thought her room was the cheeriest one in the house.

76. What is the meaning of the word 'beige'?
(a) Light red (b) Light brown
(c) Light blue (d) Light green
77. On the other wall was her writing desk. The word is a/an-
(a) Noun (b) Adverb
(c) Article (d) Adjective
78. Mary's father bought her-
(a) A Barbie doll (b) A new dress
(c) A picture teddy bear (d) A pair of shoes
79. What did Mary bring for the light blue wall next to her bed?
(a) Colorful posters
(b) A picture of her favourite singer
(c) Cushions
(d) Cupboards
80. What is the comparative degree of 'cheeriest'?
(a) Cheer (b) Cherry
(c) Cheerier (d) Cheering

Choose the correct antonyms of the words:

81. Surplus
(a) natural (b) Destroy
(c) Lack (d) rough
82. Preserve
(a) Destroy (b) empty
(c) good (d) lack
83. Combine
(a) Rough (b) Separate
(c) Add (d) pleasing

Choose the correct synonyms of the words :

84. Gigantic
(a) Spacious (b) Tiny
(c) Petite (d) Puny
85. Gabbed
(a) lovely (b) Terrific
(c) Lectured (d) Warm
86. Agreeable
(a) Helpful (b) Joyous
(c) kind (d) Vast

One word Substitution

87. Animals that are active during night
(a) Rebel (b) Neogamist
(c) Nocturnal (d) Inspect
88. One who takes up arms against the government
(a) Democracy (b) Rebel
(c) Inevitable (d) Incredible
89. That occurs irregularly
(a) Ambidextrous (b) Amla meter
(c) Inspect (d) Sporadic
- Choose the correct option to fill in the blanks :
90. Twelve inches make ____ foot.
(a) A (b) An
(c) The (d) No need
91. French is ____ easy language.
(a) The (b) An
(c) A (d) No need
92. Neither he ____ his brother is honest.
(a) Or (b) And
(c) Nor (d) As
93. Be careful ____ you will fail.
(a) But (b) Nor
(c) And (d) Or
94. The glass break ____ you drop it.
(a) And (b) So



(c) But (d) If
95. My grand mother is so old ____ she cannot read.

(a) That (b) To
(c) Too (d) And
96. I applied ____ the post of manager.
(a) To (b) For
(c) with (d) Across
97. The children are sitting ____ the classroom.
(a) On (b) At
(c) In (d) Out

98. The train will arrive ____ platform number 4.
(a) In (b) On
(c) Into (d) At

99. A ____ of birds.
(a) flock (b) Stack
(c) Wad (d) Pack
100. A ____ of soldiers.
(a) team (b) Regiment
(c) Pride (d) herd

Section – D G.K

101. When did world war Ist end

- A . 1919 B.1981
C.1920 D.1921

102. When Mangal Pandey was Hanged .

- A . 10 May 1857 B. 14 May 1857
C. 18 may 1957 D. 15 May 1957

103. Which Soil is Said to be most fertile Soil Of India ?

- A . Alluvial Soil B. Saline Soil
C. laterite Soil D.Red Soil

104. From where time Zone of India is Taken

- A .Allahabad B. Varansi
C. Pali D. Lucknow

105. Black Soil is Known As

- A .Saline B.regur Soil
C.Forest D.Laterite

106. How many continent,s Are in world

- A . 8 B. 9
C. 5 D.7

107. Who had discovered north pole

- A . Robert Piere B.Robert Clive
C. Robert Jackson D. Robert E. Peary

108. How Many Veda's Are

- A . 8 B. 4
C. 5 D.7

109. Who is Founder Of Theosophical Society

- A . Annie Besent B. Vivekanand
C. Barktulla D.Henary Vivian
Derorjio

110. From where we have taken Text "SatyaMevJayte"

- A . Vishnu Puran B.
Upnishad
C. MundkopNishad
D.Aranyak

111. When Good Governance Day Took Place

- A . 12 Jan. B. 25 Dec.
C. 8 March D. 8 June

112. Who has Given Slogan "Do or Die"

- A .SubhasChanda Bosh B.
Nehru G
C. Mahatma Gandhi D.Bhim
Rao Ambedkar

113. Typhoid is which type of Disease

- A . Bacterial B. Virus
C. Non-Communicable D.Seasonal

114. Time taken By Sun ray To Reach Surface Of Earth From Sun

- A . 8 Min 1 Sec B. 15 Min. 20
Sec.
C. 8 Min. 20 Sec. D. 20Min.15
Sec.

115. Which Planet Have Ring

- A .Jupitor B. Mercury
C. Pluto D. Saturn

116. Munda Are tribal group of

- A . Sikkim B. Manipur
C. Uttrakhand D. Rajasthan

117. Mound Of Death Is Called as

- A .MohanJodaro B. Alamgirpu
C. Indus D.Sutkangedor

118. Speed Of Vehicle Is Measured From

- A .Speedomerer B. Odometer
C. AnemoMeter D.Dynamometer

119. Who Discovered Bulb ?

- A . J J Thomson B. Robert Hook
C. Rutherford D. James Chadwick



120. Father Of Green Revolution In India

- A . Raja Ram Mohan Roy
- B. M. S Swaminathan
- C. C RajgopalChari
- D.NormanBorlog

121. Who has Written Book “Utopia”?

- A .Jankson B. Thomas Moor
- C. NidhiSrivastavD.kapil Sharma

122. Who Formed “Forward Block ”

- A .Mathama Gandhi B. kesav Chandra
- C. Subhas Chandra Bosh
- D.DayanandSarasvati

123. List Of Cash Crop’s Are

- A .Mustured, Potato, Sugar
- B. Mustured, Cotton, Rice
- C. Cotton, Coffe, Tea
- D.Wheat, Rice, Potato

124. Ring Of Fire is Located in Which Ocean

- A . Indian Ocean B. Caspean Sea
- C. Red Sea D.Pacific Ocean

125. Who is called as “Keasari”

- A . B. G. Tilak B. lalaLajptRai
- C. Mahatma Gandhi D.Ranade



Class VI 26 AUG 2023									
Math				Inte.		ENG		GK	
1	b	26	D	51	A	76	B	101	B
2	C	27	A	52	D	77	D	102	A
3	C	28	D	53	A	78	C	103	A
4	C	29	B	54	A	79	A	104	A
5	B	30	B	55	C	80	C	105	B
6	C	31	B	56	C	81	C	106	D
7	C	32	D	57	C	82	A	107	D
8	D	33	A	58	B	83	B	108	B
9	A	34	C	59	A	84	A	109	D
10	D	35	A	60	B	85	C	110	C
11	A	36	C	61	C	86	A	111	B
12	B	37	C	62	A	87	C	112	C
13	C	38	C	63	D	88	B	113	A
14	C	39	C	64	C	89	B	114	C
15	D	40	C	65	B	90	D	115	D
16	D	41	C	66	D	91	B	116	C
17	D	42	B	67	C	92	C	117	A
18	D	43	C	68	C	93	D	118	B
19	C	44	D	69	B	94	D	119	A
20	D	45	A	70	C	95	A	120	B
21	D	46	C	71	C	96	B	121	B
22	C	47	C	72	A	97	C	122	C
23	D	48	D	73	B	98	D	123	C
24	B	49	D	74	D	99	A	124	D
25	C	50	B	75	C	100	B	125	A