Career Defence School, Ambala

Scholarship Cum

Admission Test

Entrance Exam   Class: VII

Time: 1 Hrs   Exam Mode: Online   MM: 100

Test Paper - 1

General Instruction:

1. The question paper consists of four Sections – A, B, C, D.

2. All questions are compulsory.

3. There is no overall no choice.

4. All sub-questions under the main question carry equal marks.

5. Rough work, if required may be done on the last few pages of this question booklet, provided for the purpose.

For more details call at 74199-99228

Section – A (Reasoning)

1. Find the next number of the given sequence:
3, 9, 27, 81, ?

(a) 96   (b) 143

(c) 243   (d) 162

Ans: (c)

2. Which number will replace the "?"

7, 13, ?, 25, 31

(a) 19   (b) 20

(c) 21   (d) 22

Ans: (a)

3. Arrange the following in a meaningful sequence?

1. Consultation   2. Illiness

3. Doctor   4. Treatment

5. Recover

(a) 2, 3, 1, 4, 5

(b) 2, 3, 4, 1, 5

(c) 4, 3, 1, 2, 5

(d) 5, 1, 4, 3, 2

Ans: (a)

4. Arrange the following in a logical order:

1. Gold   3. Iron

3. Send   4. Platinum

(a) 2, 4, 3, 5, 1

(b) 3, 2, 1, 5, 4

(c) 4, 5, 1, 3, 2

(d) 5, 4, 3, 2, 1

Ans: (b)

5. In a certain code, SIKKIM is written as THLJJL. How is TRAINING written in that code?

(a) SQBHOHOH   (b) UQBHOHOF

(c) UQBJOHHO   (d) UQBJOHOH

Ans: (b)

6. Find the matching pair in each of the following: **"Pen : Pencil : Ink"**

(a) Orange : Banana : Juice

(b) Table : Chair : Wood

(c) Cow : Milk : Curd

(d) Fish : Shark : Water

Ans: (a)

7. Find the matching pair in each of the following: **"Cub : Tiger : : Fawn : ?"**

(a) Sheep   (b) Ass

(c) Stag   (d) Donkey

Ans: c

8 Which one will replace the question mark?

A	C	E
G	I	?
M	O	Q

(a) L   (b) K

(c) I   (d) K

Ans: (d)

9. Which one will replace the question mark?

18	24	32
12	14	16
3	?	4
72	112	128

(a) 2   (b) 3

(c) 4   (d) 5

Ans: (b)

10. Choose the odd one out

(a) Mango   (b) Potato

(c) Onion   (d) Ladyfinger

Ans: (a)

11. Choose the odd one out

(a) Goa   (b) Shimla

(c) Mussourie   (d) Nainital

Ans: (a)

12. If seventh day of a month is three days earlier than Friday then, what day will it be on the nineteenth day of it.

(a) Sunday   (b) Monday

(c) Wednesday   (d) Friday

Ans: (a)

13. If every second Saturday and all Sunday are holidays in a 30 days month beginning on Saturday, then how many working days are there in that month?

(a) 20   (b) 21

(c) 22   (d) 23

Ans: (d)

14. Which of the following is exactly in the middle of the ninth from the left end and the fifteen from the right end in the above arrangement?

(a) P   (b) U

(c) E   (d) L

Ans: (a)

15. How many such pairs of letters are there in the world INSTRUCTION which have as many letters between them in the word as the English alphabet?

(a) One   (b) Two

(c) Three   (d) Four

Ans: (d)

Direction (16 – 18): Answer the given questions based on the following English alphabet:

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

16. Which letter is fifth to the right of the eighteenth letter from your right?

(a) C   (b) D

(c) E   (d) N

Ans: (d)

17. If all the vowels are removed from the alphabet, which letter will be the seventh to the right of the fifth letter from the left?

(a) L   (b) M

(c) N   (d) P

Ans: (d)

18. If every alternate letter, starting with A, is removed from the alphabet, which letter among the remaining letters would be the third to the right of the fifth letter from the right?

(a) X   (b) V

(c) L   (d) J

Ans: (a)

19. A is B's sister. C is B's mother. D is C's father. E is D's mother. Then, how is A related to D?

(a) Grandmother   (b) Grandfather

(c) Daughter   (d) Grand Daughter

Ans: (d)

20. Pointing to a man in photograph, a man said to a woman. "His mother is the only daughter of your father". How is the woman related to the man in the photograph?

(a) Sister   (b) Mother

(c) Wife   (d) Daughter

Ans: (b)

Direction (21 – 25): Study the following information and answer the question that follows:

Five persons are standing in a line. The lawyer is standing to the right of the students. The editor is to the left of the shopkeeper. At one end is standing a lecture and at the other end is starting a shopkeeper. The student is standing between the lecturer and the lawyer.

21. From left, who is standing at the 3rd place?

(a) Lecturer   (b) Editor

(c) Lawyer   (d) Shopkeeper

Ans: (c)

22. Fro right, who is standing at the 4th place?

(a) Editor   (b) Shopkeeper

(c) Student   (d) Lawyer

Ans: (c)

23. Which of the following are neighbours?

(a) Lawyer – Editor

(b) Lecturer – Shopkeeper

(c) Student – Editor

(d) None of these

Ans: (a)

24. Counting from the left, the editor is at which place?

(a) 1st   (b) 2nd

(c) 3rd   (d) 4th

Ans: (d)

25. Six boys A, B, C, D, E and F are standing in a row. E and F are in the Centre. A and B are at the ends. C is sitting on the left of A. Who is sitting on the right if B?

(a) 1st   (b) 2nd

(c) 3rd   (d) 4th

Ans: (d)

Section – B (Mathematics)

26. If a and b are two integer, then which of the following may not be an integer?

(a) $a + b$ (b) $a - b$

(c) $a \times b$ (d) $a \div b$

Ans: (d)

27. The product of 0.03×0.9 is

(a) 2.7   (b) 0.27

(c) 0.027   (d) 0.0027

Ans: (c)

28. The range of the data 21, 6, 17, 18, 12, 8, 4, 13 is

(a) 17   (b) 12

(c) 8   (d) 15

Ans: (a)

29. Which measures of central tendency get affected, if the extreme observations on both the ends of a data arranges in descending order are removed?

(a) Mean and Mode

(b) Mean and Median

(c) Mode and Median

(d) Mean, Median and Mode

Ans: (a)

30. If a and b are positive integers, then the solution of the equation $ax = b$ will always be a

(a) positive number

(b) negative number

(c) 1

(d) 0

Ans: (a)

31. The solution of the equation 3x + 7 = - 20 is

(a) $\frac{17}{7}$

(b) – 9

(c) 9

(d) $\frac{13}{3}$

Ans: (b)

32. If the complement of an angle is 79°, then the angle will be of

(a) 1°

(b) 11°

(c) 79°

(d) 101°

Ans: (b)

33. Angles, which are both supplementary and vertically opposite are

(a) 95°, 85°

(b) 90°, 90°

(c) 100°, 80°

(d) 45°, 45°

Ans: (b)

34. Lengths of sides of a triangle are 3 cm, 4 cm and 5 cm. The triangle is

(a) obtuse angled triangle

(b) acute angled triangle

(c) right angled triangle

(d) an isosceles right triangle

Ans: (c)

35. How many altitudes does a triangle have?

(a) 1

(b) 3

(c) 6

(d) 9

Ans: (b)

36. Gytri's income is Rs.160000 per year. She pays 15% of this as house rent and 10% of the remainder on her child's education. The money left with her is

(a) Rs.136000

(b) Rs.120000

(c) Rs.122400

(d) Rs.14000

Ans: (c)

37. The ratio of Fatima's income to her savings is 4 : 1. The percentage of money saved by her is

(a) 20%

(b) 25%

(c) 40%

(d) 80%

38. In the standard form of a rational number, the common factor of numerator and denominator is always.

(a) 0

(b) 1

(c) – 2

(d) 2

Ans: (b)

39. To reduce a rational number to its standard form, we divide the numerator and denominator by their

(a) LCM

(b) HCF

(c) Product

(d) Multiple

Ans: (b)

40. Area of a rectangle and the area of a circle are equal. If the dimensions of the rectangle are 14 cm × 11 cm, then radius of the circle is

(a) 21 cm

(b) 10.5 cm

(c) 14 cm

(d) 7 cm

Ans: (d)

41. A wire is bent to form a square of side 22 cm. If the wire is rebent to form a circle, its radius is

(a) 22 cm

(b) 14 cm

(c) 11 cm

(d) 7 cm

Ans: (b)

42. An algebraic expression containing three terms is called a

(a) monomial

(b) binomial

(c) trinomial   (d) All of these

Ans: (c)

43. The subtraction of 5 times of y form x is

(a) 5x – y   (b) y – 5x

(c) x – 5y   (d) 5y – x

Ans: (c)

44. x is a non – zero rational number. Product of the square of x with the cube of x is equal to the

(a) second power of x

(b) third power of x

(c) fifth power of x

(d) sixth power of x

Ans: (c)

45. Which of the following is the multiplicative identity for an integer a?

(a) a   (b) 1

(c) 0   (d) – 1

Ans: (b)

46. On dividing 7 by (2/5), the result is

(a) 14/2   (b) 35/4

(c) 14/5   (d) 35/2

Ans: (d)

47. The mean of three numbers is 40. All the three numbers are different natural numbers. If lowest is 19, what could be highest possible number of remaining two numbers?

(a) 81   (b) 40

(c) 100   (d) 71

Ans: (a)

48. In a right triangle, the angles other than the right angle are

(a) obtuse   (b) right

(c) acute   (d) straight

Ans: (c)

49. Interest on Rs.12000for 1 month at the rate of 10% per annum is

(a) Rs.1200   (b) Rs.600

(c) Rs.100   (d) Rs.12100

Ans: (c)

50. 36 unit squares are joined to form a rectangle with the least perimeter. Perimeter of the rectangle is

(a) 12 units   (b) 26 units

(c) 24 units   (d) 36 units

Ans: (b)

Section – C (General Knowledge)

51. Clinical thermometer can be used to measure the temperature of

(a) Boiling water   (b) Ice

(c) Human body   (d) All of these

Ans: c

52. Measurement of changing position and length of object

(a) water clock   (b) sun dial

(c) hour glass   (d) None of these

Ans: b

53. What is the direction of northerly winds?

(a) north to south

(b) south to north

(c) east to west

(d) west to east

Ans: a

54. Which of the following id unit of current.

(a) Ampere   (b) Coulomb/sec

(c) Electron volt   (d) Both (a) & (b)

Ans: d

55. Formation of shadows suggest that light travels in

(a) vacuum   (b) straight lines

(c) dark rooms   (d) None of these

Ans: b

56. Silkworm feeds on

(a) Neem leaves   (b) Mulberry leaves

(c) Banana leaves   (d) All of them

Ans: (b)

57. All oxides and hydroxides of metals are

(a) Salts   (b) Bases

(c) Both (a) & (b)   (d) None of these

Ans: (b)

58. Physical changes are _____

(a) temporary   (b) permanent

(c) irreversible   (d) endothermic

Ans: (a)

59. Which among the following is a way to check floods?

(a) Dams   (b) Reservoirs

(c) Embarkments   (d) All of these

Ans: (d)

60. The green pigment in the leaves is

(a) Chlorophyll   (b) Haemoglobin

(c) Protoplast   (d) Haemocyanin

Ans: (a)

61. India is a

(a) Democracy   (b) Dictatorship

(c) Monarchy   (d) Theocracy

Ans: (a)

62. A natural ecosystem does not include

(a) forest   (b) lake

(c) mountain   (d) school

Ans: (d)

63. The other name for the core is

(a) hydrosphere   (b) barysphere

(c) mesosphere   (d) nife

Ans: (b)

64. Sandstone, clay and shale are

(a) Metamorphic rocks

(b) Sedimentary rocks

(c) Igneous rocks

(d) Fossil fuels

Ans: (b)

65. The point where as earthquake originates in known as its

(a) Epicentre   (b) Focus

(c) Quake Centre   (d) Crater

Ans: (b)

66. This feature is not a part of a volcano

(a) Horst   (b) Crater

(c) Vent   (d) Magma chamber

Ans: (a)

67. The son-in-law of Qutabbi Aibak was

(a) Razia

(b) Alauddin Khilji

(c) Ghiyasuddin Tughlaq

(d) Litumish

Ans: (d)

68. In 1615, he was sent to India as an ambassador of the English King

(a) Sir Vincent

(b) Sir Thomas Roe

(c) Ajit Singh

(d) Dara Shikoh

Ans: (b)

69. His reign is considered to be the golden period of Mughal rule in India

(a) Humayun　　　　　(b) Akbar

(c) Jahangir　　　　　(d) Shah Jahan

Ans: (d)

70. The price of a goods should be

(a) high　　　　　(b) low

(c) reasonable　　　　(d) None of these

Ans: (c)

71. A producer is a person who produces a product for _____

(a) Profit　　　　　(b) Loss

(c) Charity　　　　　(d) None of these

Ans: (a)

72. The only fresh water lake in Sahara is _____

(a) Lake Nyasa　　　　(b) Lake Victoria

(c) Lake Rudolf　　　　(d) Lake Chad

Ans: (d)

73. Emi Koussi is the highest peak in

(a) Thar

(b) Sahara

(c) Hermis

(d) None of these

Ans: (b)

74. Shivaji's son was _____

(a) Rajaram　　　　　(b) Shahji

(c) Shivaji　　　　　(d) Sambhaji

Ans: (d)

75. Shivaji was born in _____

(a) AD 1727　　　　　(b) AD 1627

(c) AD 1527　　　　　(d) None of these

Ans: (b)

Section – D (English)

Directions (76 – 77): Fill in the blanks by choosing the most appropriate option.

76. The moment _____ is lost is lost forever.

(a) What　　　　　(b) Thas

(c) Which　　　　　(d) Whose

Ans: c

77. What is the Past Participle form (V3) of Eat?

(a) Eat　　　　　(b) Eats

(c) Ate　　　　　(d) Eaten

Ans: d

Direction (78 – 79): Fill in the blanks with correct articles.

78. Gandhi Jee was ……. Honest patriot.

(a) An　　　　　(b) The

(c) A　　　　　(d) None of these

Ans: a

79. Pharmacist is related to drugs, in the same way chef is related to …………. .

(a) Food　　　　　(b) Dish

(c) Serve　　　　　(d) All of these

Ans: a

80. In the following sentence, identify the kind of these.

Did they ask you anything?

(a) Simple Present

(b) Simple Past

(c) Present Continuous

(d) Present Perfect

Ans: b

Directions (81 – 82): Read the passage carefully and answer the questions that follow.

This is a story of a man who thought he had a right to do what he liked. One day this man was walking along a busy road, spinning his walking stick round and round in his walking stick round and round in his hand and trying to look important. A gentlemen walking behind him objected. "You ought not to spin you walking-stick round and round like that!" he said. "I am free to do what I like with my walking-stick", argued the man.

"Of course you are", said the other man, but you ought to know that you freedom ends where my nose begins.

The story tells us that we can enjoy our rights and our freedom only if they do not interfere with other people's rights and freedoms.

81. "If they do not interfere with other". "They" here refers to

(a) Rights

(b) Ends

(c) Other people

(d) Rights and freedoms

Ans: (d)

82. A gentlemen walking behind the man

(a) Objected   (b) Argued

(c) Agreed   (d) Laughed

Ans: (a)

Directions (83 – 86): Fill in the blanks by choosing the most appropriate option.

83. I enjoy Maths lessons _____ than I used to.

(a) Little   (b) Much

(c) Mucher   (d) More

Ans: (d)

84. He is the ____ boy in the class.

(a) Lazy   (b) Lazier

(c) Laziest   (d) More lazy

Ans: (c)

85. The lion kept on eye on his both ____

(a) Preys   (b) Prays

(c) Praise   (d) None of these

Ans: (a)

86. There is beautiful house _____ the ocean.

(a) Over   (b) Below

(c) Along   (d) Beyond

Ans: (c)

Directions (87 – 88): Fill in the blanks with the most appropriate option.

87. We missed the bus _____ I was late.

(a) Although   (b) Only

(c) If   (d) Because

Ans: (d)

88. He asked me to sit ____ the committee.

(a) By   (b) On

(c) From   (d) For

Ans: (b)

89 Read the sentences carefully and identify their kinds. "May you be happy today!"

(a) Assertive   (b) Interrogative

(c) Imperative   (d) Optative

Ans: (d)

90. Fill in the blanks by choosing the most appropriate option. "He is _____ unique person."

(a) The   (b) A

(c) An   (d) None of these

Ans: (b)

91. In these questions, identify the kind of tense for the given sentence. "I was being thrashed by him."

(a) Simple past

(b) Past Continuous

(c) Past Perfect

(d) Past Perfect Continuous

Ans: (b)

92. Read the given poem carefully and answer questions that follow. "What is the meaning of the word 'odour' in the poem?"

(a) Scent   (b) Smell

(c) Coffee   (d) Sense

Ans: (a)

93. Identify the smell that the poet does not like.

(a) Smell of coffee

(b) Smell of pudding

(c) Smell of onion

(d) None of these

Ans. (d)

94. Identify the smell that the poet likes the best.

(a) Smell of apple

(b) Smell of coffee

(c) Smell of ship

(d) Smell of fried onion

Ans: (c)

95. The poet complains that the other poets.

(a) Are not like him

(b) Are like him

(c) Write very little

(d) Write very little about smell

Ans: (d)

96. Identify the word not used in the poem as an adjective.

(a) Sweet   (b) Smoky

(c) Smell   (d) Fragrance

Ans: (d)

Directions (97 – 100): Choose the most appropriate option to fill in the blanks.

97. Abstract noun of man is _____

(a) Manly   (b) Manhood

(c) Men   (d) Menhood

Ans: (b)

98. There is so _____ smoke coming out of the chimney.

(a) Many   (b) Much

(c) Few   (d) Some

Ans: (b)

99. Blessed in he _____ has found his work.

(a) Which   (b) Who

(c) Whom   (d) That

Ans: (b)

100. I can't _____ the signature of my Maths teacher.

(a) Make up

(b) Make into

(c) Make out

(d) Make over

Ans: (c)