INSTRUCTIONS **NUMBER OF QUESTIONS : 100** **TIME : 2 Hrs**

1. ATTEMPT ALL QUESTIONS WITHIN THE TIME.
2. EACH QUESTION CARRIES 1 MARK
3. NO NEGATIVE MARKS.
4. DON'T DO ROUGH WORK ON QUESTION PAPER AND OMR.
5. USE BLACK (OR) BLUE PEN FOR BUBBLING ON OMR.

CORRECT METHOD OF BUBBLING

WRONG METHOD OF BUBBLING

INTO 7TH CLASS - ICSE

MATHEMATICS

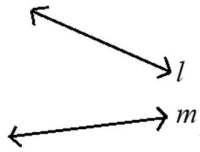
1. 1crore = _____ ten thousands.
   1) 10 2) 1000 3) 100 4) 1

2. How many four-digit numbers are there between 100 and 2000?
   1) 10000 2) 100 3) 1899 4) 1000

3. $2-\left[3-\{6-5\}\right]=?$
   1) 0 2) 1 3) 2 4) 3

4. If Δ is an operation on integers such that $a \Delta b = a - b - 2$, for all integers a, b. Then, $10 \Delta (-4) = ?$
   1) 4 2) 16 3) 12 4) 0

5. From the figure,



then l&m are _____
   1) Parallel lines 2) Concurrent lines 3) Intersecting lines 4) Perpendicular lines

6. How many millions make a trillion?
   1) Thousand 2) Million 3) Billion 4) Hundred

7. Number of 2-digit prime numbers are _____.
   1) 25 2) 24 3) 20 4) 21

8. What are the whole numbers which when multiplied with itself gives the same number?
   1) 1, 2 2) 0, 1 3) 0, 2 4) 1, 3

9. If $99 - 35 = n$, then n=?
   1) 65 2) 67 3) 64 4) 66

10. What is the smallest 3-digit number which does not change if the digits are written in reverse order?
    1) 101 2) 202 3) 909 4) 111

11. A school bus picking up children in a colony of flats stops at every sixth block of flats. Another school bus starting from the same place stops at every eighth block of flats. What is the first bus stop at which both of them will stop?
    1) 20^{th} block of flats 2) 24^{th} block of flats
    3) 48^{th} block of flats 4) 25^{th} block of flats

12. Number of 9's in the greatest 7-digit number having three different digits is _____
    1) 5 2) 6 3) 4 4) 7

13. How many different 3-digit numbers can be formed by using the digits 0, 9, 7 without repeating any digit in the number?
    1) 8 2) 6 3) 9 4) 4

14. $1 - 2 + 3 - 4 + 5 - 6 + 7 - 8 + 9 - 10 = ?$
    1) 0 2) -20 3) -5 4) 5

15. Number of zeros in the sum of the successor and the predecessor of 1000 is _____
    1) 3 2) 4 3) 2 4) No zeros

16. Which of the following fraction is nearest to $\frac{3}{5}$?
    1) $\frac{499}{600}$ 2) $\frac{299}{500}$ 3) $\frac{599}{600}$ 4) $\frac{399}{500}$

17. If M is a prime number such that (M + 1) is also prime number. What number does M(M – 1) + 2 represents?
    1) A prime number 2) Neither prime nor composite
    3) Neither positive nor negative 4) Least composite number

18. How many numbers between 1 and 100 having exactly three factors?
    1) 2 2) 3 3) 5 4) 4

19. On dividing a number by 68, we get 269 as quotient and 0 as remainder.On dividing the same number by 67, what will be the remainder?
    1) 3 2) 1 3) 2 4) 0

20. The number of whole numbers between the smallest whole number and the greatest 2-digit number is _____.
    1) 98 2) 88 3) 99 4) 100

21. A ray has _____ end point(s).
    1) No 2) 1 3) 2 4) Infinite

22. How many integers are there in between -7 and 3?
    1) 9 2) 11 3) 10 4) 4

23. The least number which when divided by 2, 3, 4, 5, 6, 8, 9, 10 and 11 leaves no remainder is _____
    1) 3960 2) 9630 3) 3069 4) 3096

24. Which is the only integer that does not have an opposite?

1) -100 2) 476 3) 0 4) -12

25. Number of lines can be draw through 10 non-collinear points are _____

1) 40 2) 35 3) 45 4) 10

26. The sum of any natural number and any whole number is always _____number.

1) Whole 2) Natural 3) Even 4) Odd

27. If $\frac{1}{3}+\frac{1}{2}+\frac{1}{x}=4$, *then* $x=?$

1) $\frac{6}{19}$ 2) $\frac{5}{18}$ 3) $\frac{18}{5}$ 4) $\frac{19}{6}$

28. Which of the following fraction has the numerator 5?

1) $\frac{2}{5}$ 2) $1\frac{2}{3}$ 3) $1\frac{1}{5}$ 4) $1\frac{5}{7}$

29. Find the smallest and the greatest numbers which are rounded off to the nearest hundreds as 900.

1) 800, 900 2) 900, 950 3) 850, 950 4) 850, 949

30. The digits of 6 and 4 of the number 36490 are interchanged. Find the difference between the original and the new number.

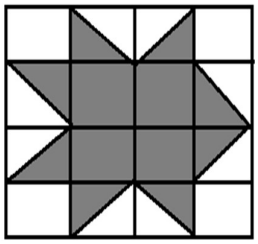
1) 1700 2) 1800 3) 1600 4) 2000

31. Subtract the sum of -1250 and 1138 from the sum of 1132 and -1272.

1) -24 2) -26 3) -22 4) -28

32. $\left(2-\frac{1}{3}\right)\left(2-\frac{3}{5}\right)\left(2-\frac{5}{7}\right).....\left(2-\frac{997}{999}\right)=?$

1) $\frac{5}{999}$ 2) $\frac{1001}{999}$ 3) $\frac{1001}{3}$ 4) $\frac{3}{1001}$

33. 

The unshaded portion in the given figure represents the fraction is?

1) $\frac{1}{2}$ 2) $\frac{3}{4}$ 3) $\frac{2}{3}$ 4) $\frac{1}{4}$

34. The difference of the place values of 5 in 1.0565 is_____

1) 0.0495 2) 0.495 3) 0.0405 4) 0.505

35. Which of the following is taken as variable ?

1) x 2) y 3) a 4) All the above

36. Which two digit number when added to 27 get reversed?

1) 35 2) 36 3) 61 4) 19

37. Null set is denoted by?

1) ϕ 2) $\{0\}$ 3) $\{\phi\}$ 4) Both 2 and 3

38. In 3:5 antecedent is?

1) 5 2) 3 3) 2 4) 4

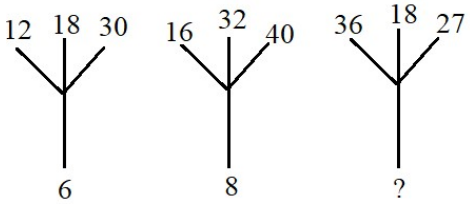
39. Which of the following is a right angle?

1) 80^o 2) 90^o 3) 130^o 4) 240^o

40. If 3 is added to the denominator of a fraction, it becomes $\frac{1}{3}$ and if 4 be added to its numerator, it becomes $\frac{3}{4}$. Then the fraction is?

1) $\frac{4}{9}$ 2) $\frac{3}{20}$ 3) $\frac{7}{24}$ 4) $\frac{5}{12}$

ARITHMETIC AND LOGICAL REASONING QUESTIONS:

41. 

1) 6 2) 9 3) 12 4) 18

42. '+' means ÷, '-' means ×, '×' means – and '÷' means +, then $16 \div 4 + 2 - 2 \times 5 = ?$

1) 5 2) 10 3) 20 4) 15

43. Three fourth of one fifth of a number is 60, then the number is _____

1) 300 2) 450 3) 400 4) 1200

44. 'Walk' is related to 'Run' in the same way 'Breeze' is related to_____

1) Cold 2) Dust 3) Wind 4) Water

45. Today is Thursday, after 132 days it will be

1) Monday 2) Wednesday 3) Friday 4) Saturday

46. A railway track has 20 stations in its line. How many tickets must it get.

1) 210 2) 200 3) 190 4) 180

47. Which pair shows the similar relationship that is shown by the given pair?

ACE95 : BDF85

1) PRT48 : QSU58 2) LNP66 : MOR56

3) TUW49 : XYZ59 4) EGI37 : FHJ27

48. If the letters in the place of multiples of 3 are deleted, from the English alphabet how many vowels are left?

1) 4 2) 2 3) 3 4) 1

49. In a particular way: BEST → CDTS; DUMP → ETNO then LONG → ?

1) MPOF 2) MONH 3) MNOF 4) KNMF

50. Find the next number in 4, -8, 16, -32, 64,?

1) 128 2) -128 3) 150 4) -150

51. Which of the following shows the correct sequence of different measures of mass?
1) Tonne> kilogram > gram > milligram
2) Kilogram < gram <tonne< milligram
3) Gram < milligram < kilogram <tonne
4) Milligram < gram <tonne< kilogram

52. A piece of wood that measures 3cm by 4cm by 6cm. If it weighs 1989g then the density of wood is
1) $25.7g/m^3$ 2) $27.625g/cm^3$ 3) $15g/cm^3$ 4) $7.62g/cm^3$

53. The space occupied by matter is called its
1) Mass 2) Weight 3) Area 4) Volume

54. Which is the weakest force in nature?
1) Muscular force 2) Frictional force 3) Magnetic force 4) Gravitational force

55. Ravi's teacher asked Ravi to measure the length of a table using a measuring tape. Why did his teacher ask him to use a measuring tape?
1) It is easy to use
2) It is a new instrument for measuring length
3) It uses standard units of measurement
4) It is the only tool in the classroom

56. Which of these is the longest?
1) Kilometer 2) Mile 3) Yard 4) Metre

57. A cycle is running towards the north, the frictional force on the cycle is experienced due
1) East 2) West 3) South 4) North

58. The intermolecular forces are the strongest in
1) Solids 2) Liquids 3) Gases 4) Fluids

59. Which of the following force is applied by a specific metal such as iron, nickel, cobalt and their ores?
1) Gravitational force 2) Frictional force
3) Muscular force 4) Magnetic force

60. The grouping of materials with having similar properties is called
1) Classification 2) Mixing 3) Dissolution 4) Saturation

61. Which one of the following statements regarding force is correct?
1) A positive force implies attractive nature
2) A negative force implies repulsive nature
3) A positive force can be both attractive and repulsive in nature
4) A negative force implies attractive nature

62. **Assertion:** Frictional force is required to climb a wall.
Reason: Frictional force acts in a direction opposite to the motion.
1) Both assertion and reason are true and the reason is the correct explanation of assertion
2) Both assertion and reason are true but reason is nor the correct explanation of assertion
3) Assertion is true and reason is false 4) Assertion is false and reason is true

63. If the weight of a body on earth is 54N, then what would be weight on moon of that object?
1) 10N 2) 11N 3)9N 4) 6N

64. 1 second =_____part of a mean solar day.
1) 1/86400 2) 1/1440 3)1/24 4) 1/50

65. If the temperature of a body is 140^0F. Its value of centigrade scale will be
1) 108^0C 2) 32^0C 3)140^0C 4) 60^0C

66. What is the formula of sand?
1) SiO_3 2) SiO_2 3)SiO_4 4) SiO_5

67. What is the formula of sugar?
1) $C_{12}H_{22}O_{11}$ 2) $C_6H_{12}O_6$ 3) CH_3COOH 4) C

68. Which scientist discovered the atoms?
1) John Dalton 2) Faraday 3)Newton 4) James watt

69. Who first invented molecules?
1) Marie curie 2) Louis Pasteur 3)Joseph priestley 4) Amedeo Avogadro

70. Which two smallest elements are abundant in the universe?
1) Oxygen and nitrogen 2) Neon and argon
3) Hydrogen and helium 4) Aluminium and copper

71. What is the Latin name of cobalt?
1) Cuprum 2) Ferrum 3)Carbo 4) Cobaltum

72. Which of the following is a metalloid?
1) Lead 2) Silver 3)Arsenic 4) Copper

73. A kind of matter which can sublime is
1) Water 2) Milk 3)Plastic 4) Camphor

74. The phenomenon of intermixing of particles of one kind with another kind is called_____
1) Diffusion 2) Evaporation 3)Osmosis 4) Condensation

75. Which of the following nonmetal element present in liquid state at room temperature?
1) Iron 2) Mercury 3)Fluorine 4) Bromine

76. The trivial name of Na_2CO_3 is
1) Soda ash 2) Soda carb 3)Soda 4) Baking soda

77. $Na_2C_2O_4$ is the formula of sodium
1) Carbonate 2) Formate 3)Oxalate 4) Acetate

78. Find the molecular formula of calcium phosphate
1) Na_2CO_3 2) $CaCl_2$ 3) $Ca_3(PO_4)_2$ 4) $Ca(NO_3)_2$

79. Find the molecular weight of $KCl.MgCl_2.6H_2O$
1) 267.5 2) 270 3)277.5 4) 300

80. Find the number of electrons in CO_3^{-2} ion?

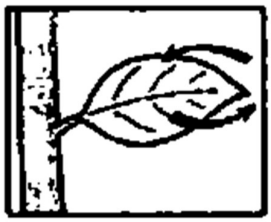
1) 36 2) 32 3) 40 4) 30

81. **Statement –I:** The vertebral column is made up of 33 individual bones.

Statement -II: The vertebral column is made up of 206 individual bones.

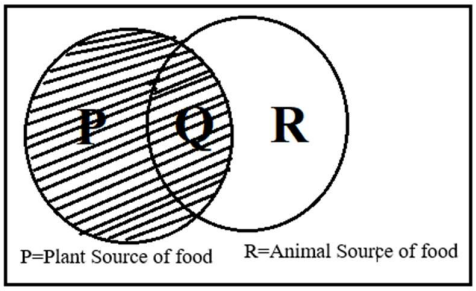
1) Statement I is correct, statement II is incorrect
2) Statement I is incorrect, statement II is correct
3) Both statements are correct 4) Both statements are incorrect

82. What do the arrows in the figure given indicate?



1) The process of transpiration
2) The exchange of gases with the surroundings
3) Transportation of sugar 4) Path taken by sunlight

83. Identify Q in the given figure.



1) Pulses 2) Meat 3) Honey 4) Rice

84. Which statement means Gait?

1) Manner of nutrition in animals 2) The habitat of animals
3) Manner of reproduction 4) Manner of movement

85. What is the life span of housefly (approximately)?

1) 3-4 months 2) 20-30 days 3) 3-8 months 4) 2-3 days

86. What is the smallest unit of classification?

1) Phylum 2) Species 3) Family 4) Genus

87. Who discovered the cell?

1) Robert Hooke 2) Joseph Priestley 3) Aristotle 4) Madam curie

88. _____provide colour to the skin of fruits, petals of flowers

1) Chromoplasts 2) Leucoplasts 3) Tonoplast 4) Chloroplasts

89. **Assertion (A):** The % of O_2 and CO_2 in exhaled air is 16.4% and 4.4%

Reason (R): The O_2 is utilized by the lungs and CO_2 is released out

1) A is correct whereas the R is not the correct explanation for it
2) R is correct and A is wrong
3) A is correct and R is the appropriate reason for A
4) Both A and R are wrong

90. Which of the following examples of food under P, Q and R is correct?

P : Supplies materials for building cells Q : Supplies a lot of energy R : Supplies high dietary fibre

S.N.	P	Q	R
1.	Fish	Lettuce	Palm oil
2.	Butter	Lettuce	Fish
3.	Mutton	Butter	Bean sprout
4.	Butter	Mutton	Palmoil

1) P-fish, Q-lettuce, R-palm oil 2) P-mutton, Q-Butter, R-Bean sprout

3) P:-Butter, Q-lettuce, R-fish 4) P-Butter, Q-mutton, R-palm oil

ENGLISH

CHOOSE THE CORRECT ANSWERS:

91. Teachers worked together for the science exhibition. [Identify the kind of noun]

1) Proper noun 2) Abstract noun 3) Common noun 4) Collective noun

92. Please give me a pen. [Identify the expression]

1) thanking 2) requesting 3) suggesting 4) offering

93. Ravi eats an apple. [Identify the passive form of the given sentence]

1) an apple is eaten by Ravi. 2) an apple was eaten by Ravi.

3) an apple is being eaten by Ravi. 4) an apple has been eaten by Ravi.

94. Identify the modal verb from the following.

1) is 2) could 3) was 4) has

95. Nalini played _____ two hours in the evening.

1) about 2) since 3) for 4) at

96. The lady _____(cry) with pain last evening when I visited her.

1) is crying 2) cries 3) was crying 4) cried

97. At one corner of the hall stood, Ramu. [Identify the subject]

1) corner 2) hall 3) stood 4) Ramu

98. Horse - _____ [choose the other gender.]

1) gander 2) mare 3) duke 4) stag

99. _____Rajdhani express connects many cities.

1) A 2) An 3) The 4) No article

100. Ramya is the _____girl in the class.

1) talented 2) more talented 3) most talented 4) very

THE END