

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 8TH CLASS STATE & CBSE

MATHEMATICS

1. Additive inverse of (pqrs) where p, q, r, s are non-zero integers is
 1) (-p) (-q) (-r) (-s) 2) (-p) qr(-s) 3) pqrs 4) (-p)(-q)(-r)s

2. What should be multiplied by 6 to get multiplicative identity?
 1) -6 2) $\frac{1}{6}$ 3) +6 4) $-\frac{1}{6}$

3. If $x = (-1)^1 + (-1)^2 + (-1)^3 + \dots + (-1)^{2023}$ and
 $y = (-1)^1 - (-1)^2 + (-1)^3 - (-1)^4 + (-1)^5 - \dots + (-1)^{2023}$, then $x - y$ value is
 1) 2023 2) 0 3) 2022 4) 1011

4. If a mixed fraction is converted into fraction then its reciprocal is
 1) Proper fraction 2) Improper fraction
 3) Equal to itself 4) Both 1 and 2

5. $1 + 2 \div \left\{ 1 + 2 \div \left(1 + \frac{1}{3} \right) \right\} = ?$
 1) $1\frac{4}{5}$ 2) $2\frac{1}{4}$ 3) $4\frac{1}{5}$ 4) $5\frac{1}{4}$

6. The speed of a car is 30km per hour. The distance covered by the car in $5\frac{1}{2}$ hours is
 (in km)
 1) 150 2) 120 3) 140 4) 165

7. The number of months in $\frac{3}{5}$ th of century is
 1) 60 2) 600 3) 720 4) 7.3

8. An equation having $x = -3$ as its solution is
 1) $2x + 8 = 2$ 2) $2x + 8 = 3$ 3) $2x + 7 = 2$ 4) $5x = 14$

9. Multiplicative inverse of $-3\frac{1}{2}$ is

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

10. If $2y - 1 = 5$ then the value of $5y + 3$ is

- 1) 15 2) 12 3) 13 4) 18

11. Range of 2, 4, 6, 200 is _____

- 1) 891 2) 198 3) 119 4) 141

12. In a bag the number of one rupee coins is three times the number of two rupee coins. If the worth of the coins is ₹120. Then the number of one rupee coins

- 1) 72 2) 30 3) 24 4) 34

13. The difference between supplement of 150° and complement of 60° is

- 1) 0° 2) 30° 3) 90° 4) 210°

14. The ascending arrangement of $\frac{2}{3}, \frac{6}{7}, \frac{13}{21}$ is

- 1) $\frac{6}{7}, \frac{2}{3}, \frac{13}{21}$ 2) $\frac{13}{21}, \frac{2}{3}, \frac{6}{7}$ 3) $\frac{6}{7}, \frac{13}{21}, \frac{2}{3}$ 4) $\frac{2}{3}, \frac{6}{7}, \frac{13}{21}$

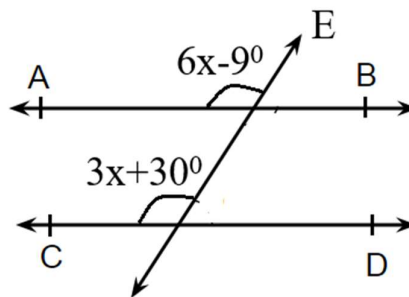
15. The sum of two numbers is 12 and their product is 35. What is the sum of the reciprocals of these numbers?

- 1) $\frac{12}{35}$ 2) $\frac{1}{35}$ 3) $\frac{35}{8}$ 4) $\frac{7}{32}$

16. $1 \div \frac{5}{7}$ of $6\frac{3}{10} - \frac{1}{6}$ is

- 1) $\frac{1}{12}$ 2) $\frac{1}{14}$ 3) $\frac{1}{16}$ 4) $\frac{1}{18}$

17. The value of x makes AB parallel to CD.



- 1) 11° 2) 12° 3) 13° 4) 14°

18. Median of 5, 3, -2, 4, -1 is _____

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

19. Solve $2x + 3 = 5$

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

20. If $(a + 2b) = 6$ and $ab = 4$ then $\left(\frac{2}{a} + \frac{1}{b}\right) = ?$

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

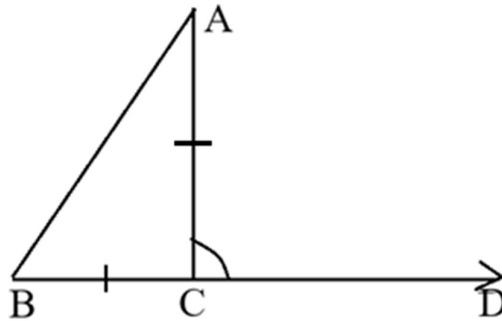
21. If $47.2506 = 4A + \frac{7}{B} + 2C + \frac{5}{D} + 6E$, then the value of $(5A + 3B + 6C + D + 3E)$ is

- 1) 53.6003 2) 53.603 3) 153.6003 4) 213.0003

22. If two supplementary angles are made to lie adjacent to each other they form

- 1) Linear angles 2) Linear pair
3) Conjugate angles 4) Corresponding angles

23. In the given figure $BC = CA$ and $\angle A = 40^\circ$. The $\angle ACD$ is equal to



- 1) 40° 2) 80° 3) 120° 4) 60°

24. If the length of two sides of a triangle are 6cm and 10cm then the length of the third side can be

- 1) 3cm 2) 4cm 3) 2cm 4) 6cm

25. The mean of first six multiples of 4 is

- 1) 10 2) 12 3) 14 4) 16

26. In any triangle the opposite side to the smallest angle is _____ the other two sides

- 1) Bigger than 2) Equal to 3) Smaller than 4) None

27. The mean of first n- natural numbers is

- 1) $\frac{n+1}{2}$ 2) $\frac{n-1}{2}$ 3) $\frac{n}{2}$ 4) $\frac{n+3}{2}$

28. The two digit number having x in units place and $(x + 2)$ in ten's place is _____

- 1) $10x + 20$ 2) $11x + 20$ 3) $10x + 2$ 4) $11x + 2$

29. The average of 11 results is 50. If the average of first six results is 49 and that of last six is 52. Then the sixth result is

- 1) 56 2) 58 3) 62 4) 64

30. For the data 10, 8, 11, 6, 10, 8, 6, 7, 6 which one of the following is correct?

- 1) Mean = Median = Mode 2) Mode < Median < Mean
3) Mode > Mean > Median 4) Mean = Median > Mode

31. When a certain number m is divided by 5 and added to 8. The result is equal to 3m subtracted from 4. The value of m is

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

32. If $1.5x = 0.04y$, then the value of $\left(\frac{y-x}{y+x}\right)$ is

- 1) $\frac{730}{77}$ 2) $\frac{73}{77}$ 3) $\frac{73}{770}$ 4) $\frac{703}{77}$

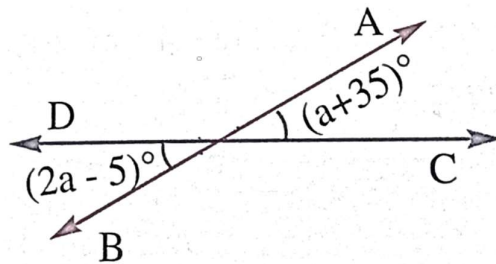
33. $\left(1-\frac{1}{2}\right)\left(1-\frac{1}{3}\right)\left(1-\frac{1}{4}\right)\left(1-\frac{1}{5}\right)\dots\dots\dots\left(1-\frac{1}{n}\right)$ is

- 1) 1 2) $\left(1-\frac{1}{n}\right)^2$ 3) $\frac{1}{n}$ 4) $\frac{n}{2}$

34. After fifteen years Ravi's age will be four times of his present age. What is Ravi's present age? (in years)

- 1) 05 2) 06 3) 04 4) 07

35. Straight lines AB and CD intersect at O. then the value of a is



- 1) 40° 2) 15° 3) 30° 4) 45°

36. If two lines \overline{AB} , \overline{CD} are perpendicular to the same line \overline{EF} then \overline{AB} and \overline{CD} are

- 1) Parallel 2) Perpendicular 3) Coincident 4) Intersecting

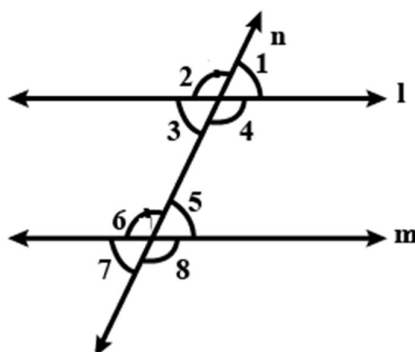
37. If $x + \frac{1}{1 + \frac{1}{3 + \frac{1}{4}}} = 2$ then x is

- 1) $\frac{4}{17}$ 2) $1\frac{4}{17}$ 3) $2\frac{4}{17}$ 4) $\frac{17}{21}$

38. If the complement of an angle is equal to the supplement of thrice of it then the angle measure is

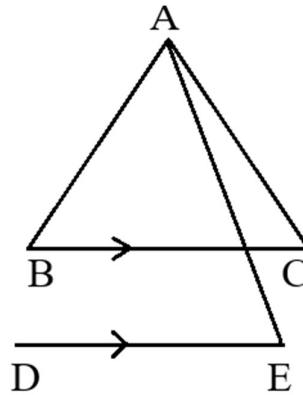
- 1) 45° 2) 60° 3) 90° 4) 180°

39. In the figure $l \parallel m$ if $\angle 3 : \angle 6 = 2 : 7$ then $\angle 2 : \angle 7$ is



- 1) 2 : 7 2) 7 : 2 3) 1 : 2 4) 2 : 1

40. In the figure $BC \parallel DE$, $\angle ACB = 60^\circ$, $\angle AED = 80^\circ$ and $\angle BAC = 90^\circ$ then $\angle BAE = ?$



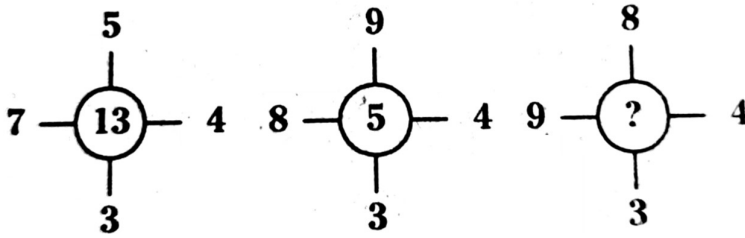
- 1) 20° 2) 30° 3) 70° 4) 110°

41. In $\triangle ABC$, $\angle A - \angle B = 12^\circ$, and $\angle B - \angle C = 27^\circ$ then the greatest angle is

- 1) 45° 2) 55° 3) 65° 4) 77°

ARITHMETIC AND LOGICAL REASONING QUESTIONS:

42. Find the missing number



- 1) 12 2) 14 3) 15 4) 18

43. Crime : Court : Disease : ?

- 1) Lawyer 2) Punishment 3) Hospital 4) Doctor

44. 5, 11, 21, 43, 85, 171, 341,?.....

- 1) 570 2) 683 3) 596 4) 626

45. Find the missing number

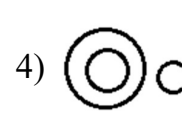
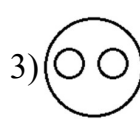
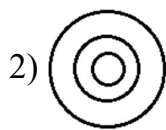
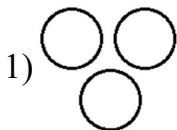
27	22	50
13	12	26
9	2	?

- 1) 12 2) 39 3) 18 4) 24

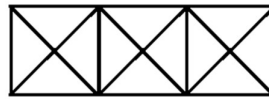
46. '+' Means \div , '-' means \times , ' \times ' means $-$, and ' \div ' means $+$, then $16 \div 4 + 2 - 2 \times 5 = ?$

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

47. Which of the following figures represents town, state, country?



48. In each of the following question, five words have been given, out of which four are alike in some manner and the fifth one is different. Choose out the odd one
 1) Lake 2) Sea 3) River 4) Pool
49. AF, HL, NQ,.....
 1) SV 2) SU 3) TU 4) TV
50. Count the number of triangles in the given figure which is combination of three squares



- 1) 25 2) 22 3) 23 4) 28

GENERAL SCIENCE

51. Tiny pores present on surface of leaves
 1) Stomata 2) Spiracles 3) Holes 4) Cells
52. Plants release water by the process of _____
 1) Transportation 2) Transpiration 3) Photosynthesis 4) Excretion
53. _____ is an example of parasite
 1) Bryophyllum 2) Cuscuta 3) Venus fly trap 4) Mango
54. What is the process of taking food into body
 1) Absorption 2) Egestion 3) Ingestion 4) Excretion
55. Mango is an example for _____
 1) Layering 2) Grafting
 3) Asexual reproduction 4) Sexual reproduction
56. Identify the order of whorls from outside of inside
 1) Pistil, petals, stamen, sepals 2) Sepals, petals, stamen, pistil
 3) Stamen, sepals, pistil, petals 4) Petals, sepals, stamen, pistil
57. _____ is the liquid part of the blood
 1) Plasma 2) RBC 3) WBC 4) Platelets
58. _____ is an example for ruminant?
 1) Snake 2) Frog 3) Horse 4) Cat
59. Floor of chest cavity is _____
 1) Diaphragm 2) Lungs 3) Stomach 4) Wind pipe
60. What is the type of respiration in earthworm
 1) Tracheal 2) Pulmonary 3) Cutaneous 4) Branchial
61. New born's rate of respiration is _____
 1) 10 to 20/min 2) 40 to 80/min 3) 10 to 30/min 4) 40 to 60/min
62. Villi are
 1) Wide tube 2) Finger like projections
 3) Narrow tube 4) Sac like structure
63. Example of wind dispersal
 1) Maple 2) Coconut 3) Mango 4) Lotus

64. The anther contains _____
 1) Ovules 2) Sepals 3) Pollen grains 4) Pistil
65. _____ contains cellulose digesting bacteria in a cow
 1) Small intestine 2) Rumen 3) Large intestine 4) Reticulum
66. The percentage of oxygen in inhaled air
 1) 20% 2) 0.04% 3) 21% 4) 16.4%
67. What is the method of reproduction in yeast
 1) Cuttings 2) Spore formation 3) Budding 4) Fragmentation
68. Tracheal respiration is observed in
 1) Elephant 2) Cockroach 3) Frog 4) Snake
69. Accumulation of lactic acid causes _____
 1) Muscle cramps 2) Blood cramps 3) Indigestion 4) Obesity
70. Insectivorous plants grow in _____ area
 1) Marshy 2) Sandy
 3) Nitrogen deficient 4) Watery
71. Normal temperature of human body
 1) 43°C 2) 98.6°F 3) 37°C 4) Both 2 and 3
72. What is the process of heat transfer in pressure cooker
 1) Conduction 2) Convection 3) Radiation 4) Both 1 and 2
73. 1k cal = _____ J
 1) 420 2) 4200 3) 42000 4) 42
74. Gaint wheel is an example for _____ motion
 1) Oscillatory 2) Rectilinear 3) Rotatory 4) Rolling
75. 1km/hr = _____ m/s
 1) $\frac{18}{5}$ 2) $\frac{26}{5}$ 3) $\frac{5}{18}$ 4) $\frac{5}{26}$
76. The ice point in Fahrenheit scale is
 1) 212°F 2) 0°F 3) 100°F 4) 32°F
77. A particle moving in a straight line covers half the distance with speed of 3m/s. The other half of the distance is covered in two equal time intervals with speed of 4.5m/s and 7.5m/s respectively. The average speed of the particle during this motion is
 1) 4m/s 2) 5m/s 3) 5.5m/s 4) 4.8m/s
78. A car travels for 2 hours and covers 54km. What is the speed of the car?
 1) 54km/h 2) 27km 3) 27km/h 4) 30km/h
79. Convert 5m/s = _____ km/h
 1) 4 2) 5 3) 18 4) 20
80. Convert 60°C to _____ °F?
 1) 140°F 2) 120°F 3) 160°F 4) 80°F
81. Tearing of paper is _____ change
 1) Physical 2) Chemical 3) Periodic 4) Non periodic

82. Taste of an acid
1) Sweet 2) Sour 3) Bitter 4) Spicy
83. _____ gas is produced when metals reacts with acids
1) Helium 2) CO₂ 3) Hydrogen 4) Methane
84. _____ acid is present in spinach
1) Tartaric 2) Oxalic 3) Citric 4) Ascorbic
85. _____ is the base used for manufacture of soaps
1) Sodium hydroxide 2) Magnesium hydroxide
3) Calcium hydroxide 4) Ammonium hydroxide
86. When acid is kept in turmeric indicator is turns into _____ colour
1) Blue 2) Green 3) No change 4) Red
87. $Zn + xHCl \rightarrow ZnCl_2 + H_2$. What should come in place of 'x'?
1) 4 2) 3 3) 2 4) 1
88. The nature of solution when 'MgO' dissolved in water is _____
1) Acidic 2) Basic 3) Neutral 4) Both 1 and 2
89. China rose turns _____ colour when acid is added
1) Dark pink 2) Dark blue 3) Green 4) Light pink
90. Process of depositing layer of zinc is called
1) Layering 2) Galvanisation 3) Electroplating 4) Painting

ENGLISH

CHOOSE THE CORRECT ANSWERS TO FILL IN THE BLANKS:

91. I invited my friends _____ my birthday party.
1) for 2) of 3) to 4) after
92. He does not believe _____ God.
1) with 2) on 3) for 4) in
93. Raju is _____ than Ravi.
1) tallest 2) tall 3) taller 4) tall
94. Tirumala is one of the _____ institutions in A.P.
1) big 2) bigger 3) biggest 4) very
95. He has _____ ulcer on his leg.
1) an 2) the 3) a 4) no article
96. My mother is cooking food. [Identify the tense of the given verb]
1) Simple present 2) Past continuous 3) Present perfect 4) Present continuous
97. Necessity is the mother of _____.
1) invent 2) inventor 3) invention 4) inventive
98. He _____ his old car a month ago.
1) sells 2) sold 3) will sell 4) selling
99. They _____ to temple on Fridays.
1) goes 2) go 3) went 4) will go
100. My parents and my sister have gone to the market. [Identify the subject]
1) The market 2) My sister
3) My parents 4) My parents and my sister

THE END