

INTO 6TH STATE

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



MATHEMATICS

1. 10 millimetres = _____
1. 10cm 2. 100cm 3. 1cm 4. 50cm
2. If the cost of 6 apples is `72, then the cost of 8 apples of the same type is _____
1. `72 2. `96 3. `120 4. `80
3. Successor of smallest three digit number is _____
1. 1000 2. 100 3. 99 4. 101
4. L.C.M of 12, 24 and 36 is _____
1. 72 2. 36 3. 54 4. 180
5. Highest common factor of 13 and 17 is _____
1. 17 2. 13 3. 1 4. 0
6. Which of the following neither prime Nor composite number
1. 4 2. 3 3. 2 4. 1
7. A triangle in which all sides are equal is called as _____
1. Isosceles triangle 2. Equilateral triangle
3. Scalene triangle 4. Right angled triangle
8. Which of the following is a 3D – object
1. Square 2. Sphere 3. Circle 4. Rectangle
9. CM = _____
1. 800 2. 1000 3. 100 4. 900
10. The prime factorization of 36 is _____
1. $2 \times 2 \times 2 \times 3$ 2. $2 \times 3 \times 9$ 3. $2 \times 2 \times 3 \times 3$ 4. 2×18

11. $3\frac{3}{4} + 2\frac{1}{8} =$ _____

1. $5\frac{7}{8}$

2. $6\frac{7}{8}$

3. $5\frac{2}{4}$

4. $6\frac{2}{4}$

12. When a decimal number is multiplied by 10, the decimal point moves to _____

1. The right by two places

2. The left by two places

3. The right by one place

4. The left by one place

13. How many degrees does the minute hand turn through in one hour. _____

1. 60°

2. 1°

3. 360°

4. 180°

14. How many prime numbers are there in between '1' and '100'

1. 24

2. 25

3. 26

4. 98

15. An angle which measures above 180° and below 360° is called as _____

1. Acute angle

2. Obtuse angle

3. Straight angle

4. Reflex angle

16. 40% of 2000 = _____

1. 400

2. 800

3. 1000

4. 12000

17. A cycle was bought for ₹ 625 and sold at a gain of ₹ 28. What is the selling price of the cycle.

1. ₹ 597

2. ₹ 653

3. ₹ 643

4. ₹ 600

18. $90 + 9 + 0.9 + 0.09 + 0.009 =$ _____

1. 909.999

2. 099.99

3. 90.999

4. 99.999

19. If length (l) = 10cm; breadth (b) = 6cm then perimeter of Rectangle is _____

1. 36cm

2. 36cm^2

3. 80cm

4. 80cm^2

20. Division algorithm is _____

1. Divisor \times remainder + Quotient = dividend

2. Quotient \times Remainder + divisor = dividend

3. Divisor \times Quotient + Remainder = dividend

4. Divisor \times quotient \times Remainder = dividend

21. The difference of place value and face value of underlined digit in 9278 is _____

1. 9269

2. 278

3. 8991

4. 9000

22. Which of the following number is divisible by '3'?

1. 73263

2. 70241

3. 62341

4. 8234

23. Number of factors of '96' is _____

1. 10

2. 12

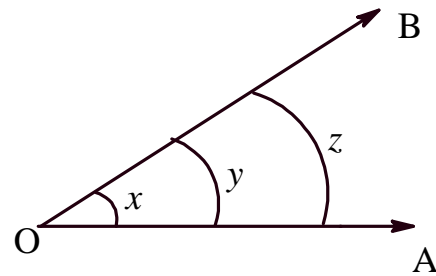
3. 13

4. 14

24. There are 50 students in a class. The number of girls is 35 and the remaining are boys, the ratio of girls to boys is _____
1. 3 : 7 2. 1 : 5 3. 6 : 5 4. 7 : 3
-
25. Which of following expression is false?
1. $0.16 < 0.016$ 2. $3.125 > 1.363$ 3. $0.755 < 0.89$ 4. $0.786 = \frac{786}{1000}$
-
26. Standard form of $8000000000 + 200000000 + 90000000 + 7000000 + 800000 + 3000 + 300 + 30 + 3$ is
1. 82978333333 2. 8297803333 3. 8297033333 4. 8279803333
-
27. Line has how many end points _____
1. 1 2. 2 3. Infinite 4. 0
-
28. Find the product : $\frac{81}{27} \times \frac{18}{54} \times \frac{50}{25}$
1. 3 2. 1 3. 2 4. 4
-
29. A train travels 35km in the first hour, 30km in the second hour, 50km in the third hour, and 45km in the fourth hour. Find the average speed of the train per hour.
1. 30kmph 2. 40kmph 3. 35kmph 4. 45kmph
-
30. If one drum can hold 4.95 litres of oil. How many litres can 6 such drums hold?
1. 30 litres 2. 29.50 litres 3. 29.70 litres 4. 29.60 litres
-
31. Minimum number of sides are needed for polygon is _____
1. 4 2. 3 3. 2 4. 1
-
32. How many seconds are there in a day
1. 60×60 2. 24×60 3. $24 \times 60 \times 60$ 4. 24
-
33. Which fractions are equivalent
1. $\frac{3}{2}$ and $\frac{2}{3}$ 2. $\frac{1}{2}$ and $\frac{2}{4}$ 3. $\frac{3}{4}$ and $\frac{4}{7}$ 4. $\frac{1}{9}$ and $\frac{1}{8}$
-
34. If the area of square is 729m^2 then side of square is _____
1. 27m 2. 28m 3. 29m 4. 26m
-
35. In Tirumala garden, there are 60 rows of plants and each row has 75 plants. How many plants are there in the tirumala garden.
1. 4000 2. 3500 3. 3000 4. 4500
-
36. 45% of 90 = x % of 81, the value of x is _____
1. 405 2. 500 3. 28.5 4. 50

37. In the given diagram relationship of angle are chosen from given options

1. $\angle x > \angle y > \angle z$
2. $\angle x < \angle y < \angle z$
3. $\angle x \neq \angle y \neq \angle z$
4. $\angle x = \angle y = \angle z$



38. $\frac{1}{8}$ part of a pencil is black and $\frac{1}{2}$ part of the remaining is white, if the remaining part of pencil is blue then find the part of the blue

1. $\frac{6}{16}$
2. $\frac{7}{16}$
3. $\frac{8}{16}$
4. $\frac{9}{16}$

39. Find the greatest 3 –digit number which when divided by 6, 9, 12 leaves remainder as ‘3’ in each case.

1. 903
2. 975
3. 996
4. 939

40. $\left(2 - \frac{1}{3}\right)\left(2 - \frac{3}{5}\right)\left(2 - \frac{5}{7}\right)\left(2 - \frac{7}{9}\right) \dots \dots \left(2 - \frac{997}{999}\right)$ is equal to _____

1. $\frac{1001}{999}$
2. $\frac{999}{1001}$
3. $\frac{1001}{3}$
4. $\frac{3}{1001}$

41. If $a = 1, b = 2, c = 3, \dots \dots \dots, x = 24, y = 25, z = 26$ then

$(y - a)(y - b)(y - c) \dots \dots (y - z)$ is _____

1. 1
2. 26
3. y
4. 0

42. In an examination, suresh score was 92. Swamy obtained 15 marks less than suresh. Swathi scored 4 marks more than swamy. What is the difference between suresh and swathi scores?

1. 11
2. 19
3. 73
4. 77

43. If the L.C.M of two numbers is 290 and their product is 7250, what will be its G.C.D

1. 625
2. 5
3. 25
4. 29

44. There are 1500 hostel students studying in Tirumala school, the number of day.

Scholar students is $\frac{3}{5}$ of the number of hostel students and the number of IIT –

students is $\frac{5}{9}$ of the number of day – scholar students. How many students are there in

Tirumala school

1. 2800
2. 2900
3. 2700
4. 3000

45. Find the difference between the greatest and least five digit number that can be formed using the digits 8, 0, 4, 3, 7. Where each digit coming only once.
1. 56952 2. 56852 3. 58652 4. 56592
-
46. Arrange the fractions in Ascending order : $\frac{5}{12}, \frac{3}{4}, \frac{7}{6}, \frac{5}{8}$
1. $\frac{5}{8}, \frac{5}{12}, \frac{3}{4}, \frac{7}{6}$ 2. $\frac{5}{12}, \frac{5}{8}, \frac{3}{4}, \frac{7}{6}$ 3. $\frac{7}{6}, \frac{5}{8}, \frac{3}{4}, \frac{5}{12}$ 4. $\frac{3}{4}, \frac{7}{6}, \frac{5}{12}, \frac{5}{8}$
-
47. Four bells are arranged in such a manner that they ring once every 5, 8, 10 and 12 minutes respectively. After how many hours of their ringing simultaneously will they ring again together?
1. 4 hours 2. 3 hours 3. 2 hours 4. 1 hour
-
48. The average weight of 10 boys in a class is 43kg. Another boy whose weight is 65kg joins the group. Calculate the average weight of 11 boys
1. 43kg 2. 44kg 3. 45kg 4. 46kg
-
49. The sides of a rectangular plot of land are 30m and 20m. What should be the cost of levelling the plot if the rate is ₹ 2 per square meter?
1. ₹ 1200 2. ₹ 1600 3. ₹ 1008 4. ₹ 1000
-
50. The ratio of velocities of the hour hand and minute hand of a clock
1. 12 : 1 2. 3 : 12 3. 1 : 12 4. 1 : 60

SCIENCE

51. According to the climate, a year is divided into _____ seasons.
1. 1 2. 2 3. 3 4. 4
-
52. Earth atmosphere classified into _____ layers.
1. 4 2. 5 3. 6 4. 7
-
53. Atmosphere gets heated due to _____ energy.
1. Solar 2. Electrical 3. Sound 4. Wind
-
54. The movement of earth around is called _____.
1. Translation 2. Rotation 3. Revolution 4. Regulation
-
55. _____ Is natural satellite of the earth.
1. Sun 2. Earth 3. Moon 4. Pluto
-
56. Sunlight water and wind never get exhausted called
1. Energy resource 2. Renewable Resource
3. Non-Renewable Resource 4. Solar Energy Resource

57. _____ Is generated in the Hydro electric projects by the Rotation of turbines by making water to fall on them
1. Electricity 2. Thermal 3. Solar 4. Power
58. The power stations where Electricity is generated from water called _____.
1. Thermal electric power station 2. Hydro electric power station
3. Thermal station 4. Renewable energy
59. Electricity is generated even with water vapour that is produced when water is heated with coal called _____.
1. Thermal electricity 2. Current electricity
3. Hydro electricity 4. Wind electricity
60. Iron box gets heated up using
1. Coal 2. Electricity 3. Water 4. Both 1 and 2
61. The large fans move, _____ is generated due to the energy of the wind.
1. Electricity 2. Fuel 3. Wind 4. Energy Resource
62. Distance between Moon and Earth _____ km
1. 384, 400 2. 484, 400 3. 58400 4. 684,400
63. Earth is covered with a blanket of air _____.
1. Wind flowing 2. Troposphere 3. Ionosphere 4. Atmosphere
64. In which season crops are ready to harvesting
1. Winter 2. Rainy 3. Summer 4. Spring
65. The layer nearest to earth's surface is
1. Stratosphere 2. Ionosphere 3. Exosphere 4. Troposphere
66. Water animals breath _____ dissolved in water.
1. Nitrogen 2. Carbon dioxide 3. Fluorine 4. Oxygen
67. Earth Revolves around the sun in _____ orbit
1. Elliptical 2. Circular 3. Parabola 4. Straight
68. Energy that comes from burning fossil fuels called _____.
1. Solar energy 2. Wind energy 3. Fuel energy 4. Hydro energy
69. What are properties of air
- a. pressure b. density c. weight d. volume
1. a, c, and d 2. a, b 3. b, c 4. a, b, c

70. The examples for Non-Renewable reserves
 1. Solar energy 2. Petrol 3. Diesel 4. Coal
71. Which of the following is a native of Egypt?
 1. Potato 2. Onion 3. Water melon 4. Banana
72. Which of the following seeds are carried away by wind?
 1. Drum stick 2. Sycamore 3. Dandelion 4. All
73. Which of the following food chain correct?
 1. Plant ← ant ← pangolin 2. Rat ← cat ← Dog
 3. Grass → grasshopper → frog 4. Goat ← fox → tiger
74. Which of the following is a rooted- floating plant?
 1. Pistia 2. Hydrilla 3. Lotus 4. Vallisneria
75. The states in which the people eat boiled vegetables
 1. Mizoram 2. Kerala 3. Maharashtra 4. Goa
76. "Honey bees" wings stroke _____ times per minute, thus making their distinctive buzz
 1. 12000 2. 11400 3. 11700 4. 12400
77. Study of soil is called
 1. Archeology 2. Pedology 3. Biology 4. Zoology
78. Which of the following are natural scavengers
 1. Hyenas 2. Vulture 3. Crow 4. All
79. Insectivorous plant/s
 1. Drosera 2. Utricularia 3. Venus flytrap 4. All
80. Sacred groves in Rajasthan are called?
 1. Deo bhumi 2. Oran 3. Devkot 4. Kyntang
81. The state in which the game kabaddi is called as chedugudu
 1. West Bengal 2. Tamil nadu 3. Maharashtra 4. Punjab
82. What is the normal temperature of our body
 1. 97⁰F 2. 96.6⁰F 3. 90⁰F 4. 98.6⁰F
83. The animal which depends more on hearing to find its food.
 1. Cat 2. Dog 3. Bat 4. Rat
84. The plants which reproduce from their leaves
 1. Garlic 2. Begonia 3. Bryophyllum 4. Both (2) & (3)

85. What is the name of cyclone formed over Atlantic ocean?

1. Typhoons 2. Hurricanes 3. Tsunami 4. Tornado

86. Who was the first human being to land on the moon?

1. Gagarin 2. Tereshkova 3. Armstrong 4. Neilsbohr

87. Which of the following microbe causes malaria?

1. Virus 2. Bacteria 3. Fungus 4. Protozoa

88. The disease caused by the lack of vitamin-D

1. Beri-Beri 2. Scurry 3. Rickets 4. Anaemia

89. Ram niwas bagh is located in

1. New delhi 2. Jaipur 3. Rajasthan 4. Bijapur

90. The fuel which is obtained by fermenting sugarcane, is used to run cars in Brazil

1. Bio-diesel 2. Alcohol
3. Liquified hydrogen 4. Diesel

ENGLISH

91. He is too fast.

1. noun 2. adverb 3. adjective 4. verb

92. The antonym of "foe" _____.

1. enemy 2. buddy 3. rival 4. opponent

93. Who plays cricket?

1. assertive 2. interrogative 3. imperative 4. exclamatory

94. He is senior _____ me.

1. on 2. than 3. to 4. over

95. Playing chess is my hobby. (Identify the subject)

1. Playing chess 2. my hobby 3. chess 4. request

96. Will you take coffee?

1. order 2. information 3. offer 4. request

97. I'm not a teacher _____?

1. am i? 2. amn't I? 3. do I? 4. aren't I?

98. My book was stolen. (Identify the main verb)

1. was 2. stolen 3. book 4. was stolen

99. He is _____ LIC agent.

1. the 2. an 3. a 4. none

100. He went for a walk.

1. verb 2. noun 3. adverb 4. verbal adjective.

THE END