

- 20.** The Nagarjunasagar Dam is built across which of the following rivers?
1) Krishna 2) Chambal 3) Kosi 4) Sutlej
- 21.** Which of the following is a scalar quantity?
1) Electric Field 2) Average Velocity
3) Power 4) Magnetic Momentum
- 22.** If the velocity of a body is doubled-
1) Its Kinetic Energy is doubled 2) Its potential Energy is doubled
3) Its Momentum is doubled 4) Its Acceleration is doubled
- 23.** Clothes keep us warm in winter because they-
1) supply heat
2) do not radiate heat
3) prevent air from contacting the body
4) prevent the heat of the body from escaping
- 24.** Permanent magnet can be made from-
1) Cobalt 2) Aluminum 3) Zinc 4) Lead
- 25.** Who among the following is known as 'Father of Biology'?
1) Aristotle 2) Darwin 3) Lamarck 4) Hippocrates
- 26.** Spiral shape bacteria is called-
1) Diplococcus 2) Bacillus 3) Coccus 4) Spirillum
- 27.** Which of the following bones is not found in human leg?
1) Tibia 2) Humerus 3) Femur 4) Fibula
- 28.** The enzyme found in human saliva is-
1) Renin 2) Ptyalin 3) Trypsin 4) Resin
- 29.** Virus of 'Bird Flu' is also known as-
1) NH51 2) NH15 3) H5N1 4) N5H1
- 30.** 'Gypsum' is an ore of-
1) Iron 2) Calcium 3) Sodium 4) Magnesium
- 31.** Which of the following is used for killing rats?
1) Zinc Phosphide 2) Duralumin 3) Zinc Oxide 4) Sodium Nitrate
- 32.** Which of the following is not an isotope of Hydrogen?
1) Protium 2) Tritium 3) Deuterium 4) Tritium

- 33.** Which of the following is not an Input Device?
1) Keyboard 2) Scanner 3) Mouse 4) Printer
- 34.** <http://www.discovery.com> is an example of-
1) Web browser 2) Website
3) Web page 4) Internet Service Provider
- 35.** A prescribed set of well-defined instructions for solving mathematical problems is called-
1) A Compiler 2) A code
3) A description 4) An algorithm
- 36.** Which part of the Indian Constitution deals with the Directive Principles of the State Policy?
1) Part I 2) Part III 3) Part IV 4) Part V
- 37.** The 44th amendment in the Constitution of India removed which one of the following rights from the category of Fundamental Rights?
1) Freedom of Speech 2) Equality before Law
3) Right of Property 4) Freedom of Religion
- 38.** Who was the first Chief Minister of Bihar?
1) Krishna Singh 2) K.B. Sahay
3) Mahamaya Prasad Sinha 4) Karpooori Thakur
- 39.** Who was the Prime Minister of India just before Dr. Manmohan Singh?
1) H.D. Deve Gowda 2) I.K. Gujral
3) P.V. Narasimha Rao 4) Atal Bihari Vajpayee
- 40.** Japan's Parliament is known as-
1) Diet 2) Dail 3) Yuan 4) Tokyo House
- 41.** 'Jamini Roy' was a famous-
1) Dance 2) Magician 3) Cartoonist 4) Painter
- 42.** 'NCERT' stands for-
1) National Committee of Educational Research and Training
2) National Council of Educational Research and Training
3) National Council for Educational Research and Teaching
4) National Council of Employment Resources and Training

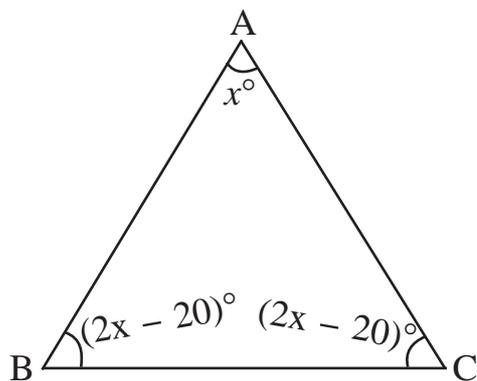
- 55.** In a certain code language, '253' means 'books are old', '546' means 'man is old' and '378' means 'buy good books'. What stands for 'are' in that code?
 1) 2 2) 4 3) 5 4) 6
- 56.** If 'oranges' are 'apples', 'bananas' are 'apricots', 'apples' are 'chillies', 'apricots' are 'oranges' and 'chillies' are 'bananas', then which of the following are green in colour?
 1) Apricots 2) Apples 3) Chillies 4) Bananas
- 57.** In a certain code, ROAD is written as URDG. How will SWAN written in that code?
 1) VXDQ 2) VZDQ 3) VZCP 4) UXDQ
- 58.** If '+' means '÷', '×' means '÷' '÷' means '+' and '-' means '×', then which of the following will be the value of the expressions?
 $252 \times 9 - 5 + 32 \div 92$
 1) 95 2) 168 3) 192 4) 200
- 59.** If P denotes '÷', Q denotes '×' R denotes '+' and S denotes '-', then.
 $18 Q 12 P 4 R 5 S 6 = ?$
 1) 95 2) 53 3) 51 4) 57
- 60.** The following equation may be corrected by interchanging which two signs?
 $5 \times 15 \div 7 - 20 + 4 = 77$
 1) - and + 2) × and ÷ 3) + and ÷ 4) + and ×
- 61.** In the alternatives given below, three are alike in some manner while the fourth one is different. Choose the odd one.
 1) Garo 2) Khasi 3) Kangra 4) Jaintia
- 62.** In the alternatives given below, three are alike in some manner while the fourth one is different. Choose the odd one.
 1) Triangle 2) Tangent 3) Square 4) Rhombus
- 63.** In the alternatives given below, three are alike in some manner while the fourth one is different. Choose the odd one.
 1) Up 2) Down 3) Above 4) Small
- 64.** In the alternatives given below, theree are alike in some manner while the fourth one is different. Choose the odd one.
 1) Run 2) Walk 3) Think 4) Jump

- 65.** 'Flower' is related to 'Essence' in the same way as 'Oven' is related to-
- 1) Vapour 2) Fire 3) Heat 4) Steam
- 66.** 'Gravity' is related to 'Pull' in the same way as 'Magnetism' is related to-
- 1) Repulsion 2) Separation 3) Attraction 4) Push
- 67.** Choose the correct alternative that will continue the same pattern and replace the question mark (?) in the given series.
- 120, 99, 80, 63, 48, ?
- 1) 35 2) 38 3) 39 4) 40
- 68.** Choose the correct alternative that will continue the same pattern and replace the question mark (?) in the given series.
- 1, 5, 14, 30, 55, 91, ?
- 1) 130 2) 140 3) 150 4) 160
- 69.** Choose the correct alternative that will continue the same pattern and replace the question mark (?) in the given series.
- 2, 12, 36, 80, 150, ?
- 1) 194 2) 210 3) 252 4) 258
- 70.** Choose the correct alternative that will continue the same pattern and replace the question mark (?) in the given series.
- 1) KSU 2) LMN 3) SOV 4) SOW
- 71.** Choose the correct alternative that will continue the same pattern and replace the question mark (?) in the given series.
- M, N, O, L, R, I, V, ?
- 1) A 2) E 3) F 4) H
- 72.** A and B are brothers. C and D are sisters. A's son is D's brother. How is B related to C?
- 1) Father 2) Brother 3) Grandfather 4) Uncle
- 73.** Introducing a man, a woman said, 'His wife is the only daughter of my father'. How is that man related to the woman?
- 1) Brother 2) Father-in-law
- 3) Husband 4) Maternal Uncle

- 74.** A man is facing West. He turns 45° in the clock-wise direction and then another 180° in the same direction and then 270° in the anti-clockwise direction. Which direction is he facing now?
- 1) South 2) North-West 3) West 4) South-West
- 75.** A man starts from a point 'X' and walks 3 km southwards, then he turns left and walks 6 km. In which direction is he from the starting point?
- 1) South-West 2) South-East 3) West 4) South
- 76.** The H.C.F. of 595 and 252 is-
- 1) 1 2) 7 3) 11 4) 17
- 77.** The L.C.M. of 26, 56, 104 and 182 is-
- 1) 456 2) 728 3) 748 4) 1274
- 78.** $\frac{6.5 \times 4.7 + 6.5 \times 5.3}{1.3 \times 7.9 - 1.3 \times 6.9} = ?$
- 1) 3.9 2) 39 3) 34.45 4) 50
- 79.** A student was asked to divide a number by 3. But, instead of dividing it, he multiplied it by 3 and got 29.7. What was the correct answer?
- 1) 3.3 2) 9.3 3) 9.8 4) 9.9
- 80.** $5852 \div 28 \times ? - 1653 = 1064$
- 1) 9 2) 13 3) 15 4) 18
- 81.** If ₹ 1440 is divided into two parts in which one part is $\frac{7}{9}$ of the second, then the smaller part is-
- 1) ₹ 405 2) ₹ 630 3) ₹ 810 4) ₹ 1035
- 82.** If $\sqrt{4^n} = 1024$, then the value of n is-
- 1) 5 2) 8 3) 10 4) 12
- 83.** If $\frac{1120}{\sqrt{P}} = 80$, then P = ?
- 1) 14 2) 140 3) 196 4) 225
- 84.** A man covers half of his journey at 6 km/ hr and the remaining half at 3 km/ hr. His average speed is-
- 1) 4 km/ hr 2) 4.5 km/ hr 3) 9 km/ hr 4) 3 km/ hr

- 85.** The average weight of 8 boys is increased by 1.5 kg when one of the boys, who weights 65 kg, is replaced by a new boy. The weight of the new boy is-
- 1) 70 kg 2) 74 kg 3) 76 kg 4) 77 kg
- 86.** The $\frac{4}{5}$ th of a certain number is 64. Half of the number is-
- 1) 40 2) 32 3) 80 4) 16
- 87.** The ratio between the present ages of Ravi and Jai is 3:2. If Ravi was 6 years older than Jai, four years back, how old is Jai now?
- 1) 6 years 2) 12 years 3) 18 years 4) Data inadequate
- 88.** $\left[\frac{81}{169} \right]^{\frac{-1}{2}} = ?$
- 1) $\frac{3}{169}$ 2) $\frac{2}{169}$ 3) $\frac{9}{13}$ 4) $\frac{13}{9}$
- 89.** The length of a rectangle is increased by 60%. By what percent would the width have to be decreased to maintain the same area?
- 1) $37\frac{1}{2}\%$ 2) 60% 3) 75% 4) $66\frac{2}{3}\%$
- 90.** By selling a tape-recorder for ₹ 950, I lose 5%. What percent shall I gain by selling it for a 1040?
- 1) 4% 2) 4.5% 3) 40% 4) 5%
- 91.** When 1 is added to each of the given two numbers, their ratio becomes 3 : 4 and when 5 is subtracted from each, the ratio becomes 7 : 10. The numbers are:
- 1) 8, 11 2) 11, 15 3) 26, 35 4) 27, 36
- 92.** 5 men or 9 women can do a piece of work 19 days. In how many days will 3 men and 6 women working together will finish the work?
- 1) 10 days 2) 15 days 3) 87 days 4) 38 days
- 93.** Two pipes can fill a tank in 20 minutes will 30 minutes respectively. If both the pipes are opened simultaneously, then the tank will be filled in-
- 1) 10 minutes 2) 12 minutes 3) 15 minutes 4) 25 minutes
- 94.** A train 132 metre long passes a telegraph post in 6 seconds. The speed of the train is-
- 1) 70 km/ hr 2) 72 km/ hr 3) 79.2 km/ hr 4) 80 km/ hr

95. The radius of the wheel of a vehicle is 70 cm. The wheel makes 10 revolutions in 5 seconds. The speed of the vehicle is-
- 1) 29.46 km/ hr 2) 31.68 km/ hr 3) 36.25 km/ hr 4) 32.72 km/ hr
96. The sides of a triangle are in the ratio $\frac{1}{2} : \frac{1}{3} : \frac{1}{4}$. If the perimeter is 52 cm, then the length of the smallest side is-
- 1) 9 cm 2) 10 cm 3) 11 cm 4) 12 cm
97. The area of the base of a rectangular tank is 6500 cm^2 and the volume of water contained in it is 2.6 cubic metres. The depth of the water tank is-
- 1) 2.5 metre 2) 3 metre 3) 5.5 metre 4) 4 metre
98. Two angles are complementary, if the sum of their measures is-
- 1) 90° 2) 100° 3) 180° 4) 360°
99. What is the value of X in the given figure?



- 1) 30 2) 40 3) 44 4) 64
100. $\sin^2 20^\circ + \sin^2 70^\circ - \tan^2 45^\circ = ?$
- 1) 0 2) 2 3) 1 4) $\frac{1}{2}$

ANSWERS

1-2; 2-2; 3-2; 4-2; 5-3; 6-2; 7-3; 8-2; 9-1; 10-2; 11-1; 12-3; 13-4; 14-1; 15-4; 16-2; 17-3; 18-1; 19-4; 20-1; 21-3; 22-3; 23-4; 24-2; 25-1; 26-4; 27-2; 28-2; 29-3; 30-2; 31-1; 32-2; 33-4; 34-2; 35-4; 36-3; 37-3; 38-1; 39-4; 40-1; 41-4; 42-2; 43-3; 44-2; 45-1; 46-3; 47-4; 48-1; 49-4; 50-1; 51-2; 52-2; 53-3; 54-2; 55-1; 56-4; 57-2; 58-4; 59-2; 60-3; 61-3; 62-2; 63-4; 64-3; 65-3; 66-3; 67-1; 68-2; 69-3; 70-1; 71-2; 72-4; 73-3; 74-4; 75-2; 76-2; 77-2; 78-4; 79-1; 80-2; 81-2; 82-3; 83-3; 84-1; 85-4; 86-1; 87-2; 88-4; 89-1; 90-1; 91-3; 92-2; 93-2; 94-3; 95-2; 96-4; 97-4; 98-1; 99-3; 100-1.