

Dream Scholars League 2014-15

Class VI : Mathematics Scholarship Exam: Sample Question Paper

General Instructions:

- There are 60 questions. All questions are compulsory.
- Shade the right answer in the OMR sheet provided A) B) C) D)
- Time allotted is 60 minutes. Total Marks = 60 Marks

Q.1) Which of the given expressions is an equation?

- A) $3x - 7 = 10$ B) $3x - 7 > 10$ C) $3x - 7 < 10$ D) $3x - 7 \geq 10$

Q.2) Which of the following is an equation?

- A) $5x + 8 \leq 6$ B) $5y - 9 \geq 8$ C) $3x - 2 > 5$ D) $4x - 9 = 7$

Q.3) Which of the given expressions is not an equation?

- A) $7x = 6$ B) $4x + 9 = 90$ C) $3x > 8$ D) $7x + 5 = 9$

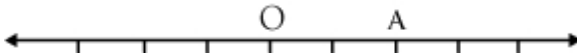
Q.4) Which of the given expressions is not an equation?

- A) $7 + u = 12$ B) $7u = 56$ C) $\frac{u}{6} = 9$ D) $\frac{9u}{4} < 5$

Q.5) If the number 56_795 is divisible by 3, then the digit in the blank among the following is ____.

- A) 5 B) 0 C) 1 D) 6

Q.6) In the figure below, if point O represents zero on the number line, then point A represents ____.



- A) -2 B) +2 C) +3 D) -3

Q.7) $9\frac{1}{8}$ can be expressed as an improper fraction as ____.

- A) $\frac{17}{9}$ B) $\frac{72}{8}$ C) $\frac{10}{8}$ D) $\frac{73}{8}$

Q.8) $123.456 + 345.098 + 111.111 =$ ____.

- A) 579.665 B) 597.665 C) 597.656 D) 579.565

Q.9) In a Mathematics test, the following marks were obtained by 40 students.

5, 7, 8, 9, 3, 2, 1, 6, 5, 8, 8, 5, 4, 7, 2, 6, 5, 4, 9, 1, 7, 3, 8, 9, 5, 4, 6, 7, 8, 3, 5, 4, 7, 8, 3, 2, 7, 9, 5, 9. The number of students who obtained less than 4 marks is ____.

- A) 10 B) 8 C) 7 D) 9

Q.10) The perimeter of an isosceles triangle is 25 cm and the length of one of the sides is 5 cm. The lengths of the other two equal sides are ____.

- A) 5 cm and 5 cm B) 10 cm and 10 cm
C) 7.5 cm and 7.5 cm D) 15 cm and 15 cm

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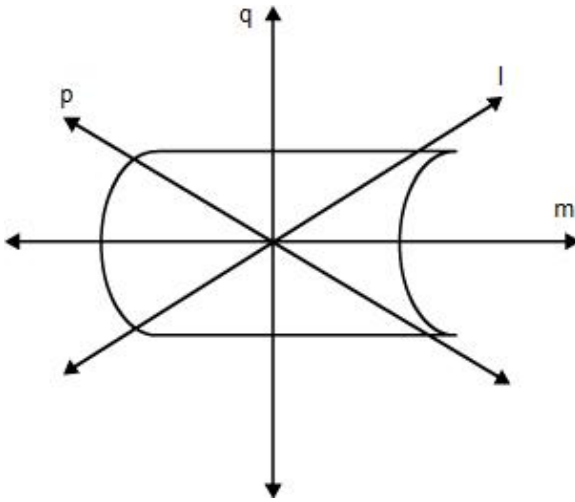
Q.11) Oh! I am really heavy. If you add 10 Kg to my weight, I will weigh a quintal. My weight is ____Kg. (Hint: 1 quintal = 100 Kg)

- A) 10 B) 50 C) 90 D) 100

Q.12) In a test, Madhu gets 15 marks out of 20, Rahul gets 80 out of 100, Reena gets 30 out of 50 and Mohan gets 4 out of 10. The best student among four is ____.

- A) Madhu B) Rahul C) Mohan D) Reena

Q.13) In the figure below, the mirror line or the axis of symmetry is ____.



- A) line q B) line p C) line l D) line m

Q.14) A ____ is used to compare lengths.

- A) Divider B) Compasses C) Ruler D) Protractor

Q.15) The situation representing the expression $5 \times (30 - 3)$ among the following is ____.

- A) Five added to the difference of the ages of Radha aged 30 years and her daughter Asha aged 3 years.
B) Five times the sum of the ages of Radha aged 30 years and her daughter Asha aged 3 years.
C) Five times the age of Radha reduced by the age of Asha, if Radha is 30 years old and Asha 3 years.
D) Five times the difference of the ages of Radha aged 30 years and her daughter Asha aged 3 years.

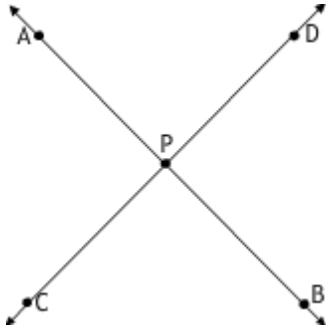
Q.16) The two whole numbers occurring just before 1000 are ____.

- A) 900 and 800 B) 1001 and 1002 C) 998 and 999 D) 996 and 997

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Q.17) The lines shown in the figure below are intersecting at point ____.



A) A

B) P

C) D

D) C

Q.17) The supplementary angle of $\frac{1}{2}$ of 120° is ____.

A) 130°

B) 120°

C) 60°

D) 100°

Q.18) Which of the following pair of fractions are equivalent fractions?

A) $\frac{1}{4}, \frac{4}{6}$

B) $\frac{15}{45}, \frac{30}{60}$

C) $\frac{5}{12}, \frac{10}{12}$

D) $\frac{6}{24}, \frac{3}{12}$

Q.19) A number with four or more digits is divisible by ____, if the number formed by the last three digits of the number is divisible by 8.

A) 3

B) 5

C) 6

D) 8

Q.20) $123.456 + 345.098 + 111.111 =$ ____.

A) 579.665

B) 597.665

C) 597.656

D) 579.565

Q.21) Kirti and Tina go for a morning walk. Kirti goes around a rectangular field of length 275 m and breadth 125 m. Tina goes around a square field of side 225 m. The correct statement among the following is ____.

A) Both Kirti and Tina covers equal distance in each round.

B) Kirti covers 100 m more distance than Tina in each round.

C) Tina covers 100 m more distance than Kirti in each round.

D) Tina covers 50 m more distance than Kirti in each round.

Q.22) In which of the following situations do we use approximation?

i) The number of people watching a particular television show.

ii) The number of people travelling between two destinations per day.

iii) The number of students in a class.

iv) The number of people participating in a procession.

A) i, ii

B) ii, iii

C) iii, iv

D) i, ii, iv

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Q.36) n is multiplied by 8 and the result is subtracted from 15, this is represented as ____.
A) $15n - 8$ B) $15 - 8n$ C) $8n - 15$ D) $15 + 8n$

Q.37) The mirror image of the figure below looks ____.



- A) bigger than the original B) smaller than the original
C) as if its direction is changed D) the same

Q.38) The estimated difference of 43,209 and 3,479 by rounding off to the nearest hundred is ____.
A) 39,700 B) 40,000 C) 39,000 D) 40,500

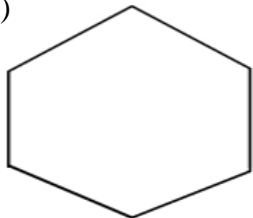
Q.39) A person bought 45 litres of milk in the first month, he bought 56 litres of milk in the next month, if milk costs Rs 25 per litre, then the total amount paid by him is Rs ____.
A) 2556 B) 2534 C) 2554 D) 2525

Q.40) The product of three consecutive numbers is always divisible by ____.
A) 6 B) 7 C) 10 D) 8

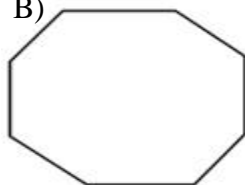
Q.41) ____ is a polygon with the least number of sides.
A) Triangle B) Square C) Hexagon D) Pentagon

Q.42) Which of the following is not a hexagon?

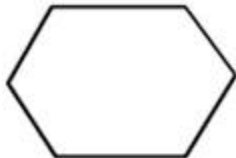
A)



B)



C)



D)



Q.43) The difference between two integers is 910. If one of them is 20, then the other integer is:
A) 840 B) 920 C) 890 D) 930

Q.44) "One ten, eight units, three tenths, four hundredths, seven thousandths and eight ten-thousandths".

Which of the following decimal numbers represents the above statement?

- A) 18.3047 B) 18.03478 C) 18.3478 D) 18.34078

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Q.45) A car travels at a speed of 'u' km/hr. It is going from Shantinagar to Shaktinagar. After the car travelled for 3 hours, Shaktinagar is still 15 km away. Therefore, the distance between Shantinagar and Shaktinagar is ____.

- A) $(3u + 15)$ km B) $3u$ km C) 15 km D) $(15u + 3)$ km

Q.46) Which of the following letters does not look like the same after reflected in a mirror?

- A) X B) V C) A D) S

Q.47) The symbols V, L and ____ are never written to the left of a symbol of greater value.

- A) X B) C C) M D) D

Q.48) A number is said to be exactly divisible by another number if the remainder is ____.

- A) 0 B) 1 C) 2 D) 5

Q.49) An almost invisible dot gives us an idea of a/an ____.

- A) Angle B) Ray C) Line D) Point

Q.50) One right angle is equal to ____.

- A) 90° B) 45° C) 180° D) 60°

Q.51) Additive inverse of 90 is ____.

- A) 90 B) -90 C) 0 D) -1

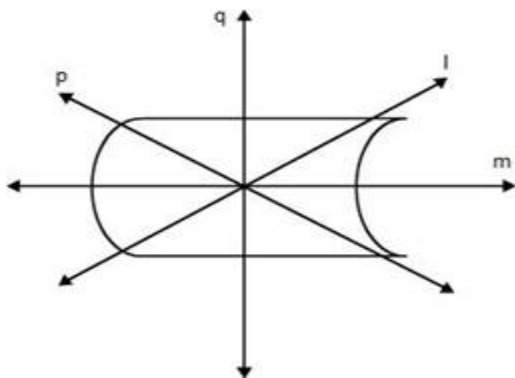
Q.52) $\frac{13}{5}$ can be expressed as a mixed fraction as ____.

- A) $3\frac{3}{5}$ B) $3\frac{2}{5}$ C) $2\frac{3}{5}$ D) $2\frac{5}{3}$

Q.53) $100.001 + 10.01 + 1.1 =$ ____.

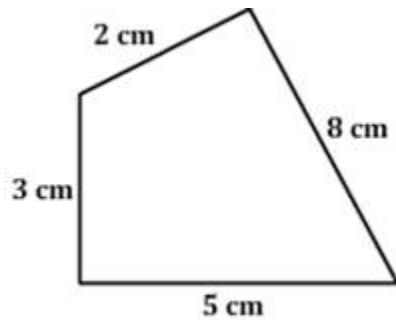
- A) 111.111 B) 100.111 C) 101.101 D) 100.110

Q.54) In the figure below, the mirror line or the axis of symmetry is ____.



- A) line q B) line p C) line l D) line m

Q.55) The perimeter of the figure below is ____.



- A) 20 cm B) 18 cm C) 17 cm D) 21 cm

Q.56) The value of XLV in the Roman numeral system is equal to ____ in the Hindu-Arabic system.

- A) 45 B) 54 C) 65 D) 56

Q.57) $3456 \times \underline{\hspace{1cm}} = 3456$

- A) 3456 B) 0 C) 1 D) 6543

Q.58) The angle whose magnitude is 179° will be a(an) ____ angle.

- A) obtuse B) reflex C) acute D) complete

Q.59) $127 + (-19) + 23 + (-11) = \underline{\hspace{1cm}}$.

- A) -100 B) 130 C) 120 D) -140

Q.60) Aman bought a ball for Rs 12.50 and a marble for Rs 1.50. The total amount spent by Aman for the ball and marble was ____.

- A) Rs 14.50 B) Rs 16.00 C) Rs 15.00 D) Rs 14.00