

Time : 45 Mins

Class-VI

Maximum Marks : 50

General Instructions:

1. **All questions are mandatory.** Read the questions carefully before selecting an answer.
2. The question paper contains **25 MCQ**, each carrying **2 marks**.
3. No negative marking for unattempt questions; one mark will be deducted for each incorrect /overwriting or multiple answers. Illegible answers may not be evaluated.
4. Answers must be marked by writing the correct option (A/B/C/D) in the **Answer Sheet**.
5. **Use of calculators, smart watches, or any electronic devices is strictly prohibited.**
6. Rough work must be done **only in the A4 sheet provided by the invigilator**.
7. Ensure that your **Name, Roll Number, School Code, and other required details** are correctly filled in the Answer Sheet before submission.
8. The **final Answer Sheet along with the question paper must be submitted to the invigilator** before leaving the examination hall.
9. Any form of **unfair practice will lead to immediate disqualification**.

Q.1. In a certain code language, MIND is written as 4125 and GAME is written as 7849, then how will NAME be written in that code?

- (a) 2845 (b) 4829 (c) 2849 (d) 9482

Q.2. If '+' means '×', '-' means '+', '×' means '÷' and '÷' means '-' find the value of the following expression:

$$100 \times 20 - 5 + 10 \div 3 = \underline{\hspace{2cm}}?$$

- (a) 97 (b) 48 (c) 37 (d) 52

Q.3. Find the missing number if a certain rule is followed row-wise and column-wise:

- (a) 108 (b) 124
(c) 126 (d) 132

384	32	36
261	27	29
?	18	21

Q.4. Pooja starts walking 5 m north from a point. She then turns right and walks 18 m. Next, she turns right again and walks 5 m. Finally she turns left and walks 8 m. How far is she now from the starting point, and which direction is she facing?

- (a) 29 m, North (b) 26 m, East (c) 39 m, South (d) 35 m, West

Q.5. Find the smallest 4-digit number which is exactly divisible by 12, 18 and 30.

- (a) 1000 (b) 1080 (c) 1260 (d) 1020

Q.6. Which of the following fractions is smallest?

$$\frac{17}{19}, \frac{13}{19}, \frac{23}{22}, \frac{15}{17}$$

- (a) $\frac{13}{19}$ (b) $\frac{15}{17}$ (c) $\frac{17}{19}$ (d) $\frac{23}{22}$

Q.7. Difference of 500 and 300 is:

- (a) CC (b) MMM (c) CCC (d) C

Q.8. $\frac{1}{10}$ of a rod is coloured red, $\frac{1}{20}$ orange; $\frac{1}{30}$ yellow, $\frac{1}{40}$ green $\frac{1}{50}$ blue, $\frac{1}{60}$ black and the rest violet. If the length of the violet portion is 12.08 m, then what is length of the rod?

- (a) 16 m (b) 18 m (c) 20 m (d) 30 m

Q.9. Which of the following statements is true?

- (I) The product of two negative, integers is negative.
 (II) The sum of negative and a positive integer is always positive
 (III) The product of two positive and two negative integers is positive
 (IV) The product of any number of negative integers is negative

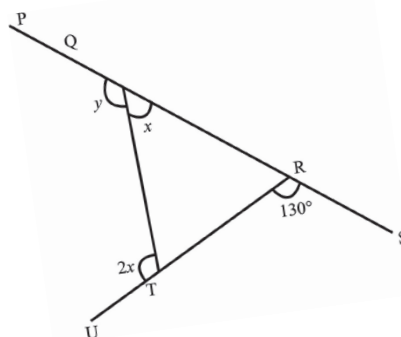
- (a) TTFT (b) FTFB (c) TFTF (d) FTFT

Q.10. If the sum of two numbers is 55 and the HCF and LCM of these numbers are 5 and 120 respectively, then what is the sum of reciprocal of these numbers?

- (a) $\frac{55}{601}$ (b) $\frac{601}{55}$
 (c) $\frac{11}{120}$ (d) $\frac{120}{11}$

Q.11. What is the value of 'y' in the given figure:

- (a) 100° (b) 145°
 (c) 115° (d) 130°



Q.12. Find m and n in the given ratios:

$$48 : 384 = m : 784 = 53 : n$$

- (a) $m = 35, n = 88$ (b) $m = 398, n = 424$
 (c) $m = 26, n = 153$ (d) $m = 82, n = 584$

Q.13. Match the following:

Column A		Column B
(I)	$[2^9 \times 2^{12}] \div 2^5$	(p) 2^{10}
(II)	$[2^{19} \times 2^{14}] \div 2^{20}$	(q) 2^{13}
(III)	$[2^{17} \times 2^{18}] \div 2^{16}$	(r) 2^{16}
(IV)	$[2^6 \times 2^{12}] \div 2^8$	(s) 2^{19}

(a) I – r II – p III – s IV – q

(b) I – r II – s III – q IV – p

(c) I – (r) II – (q) III – (s) IV – (p)

(d) I – (p) II – (q) III – (s) IV – (r)

Q.14. Consider the following quotients:

(I) 368.39 divided by 17

(II) 170.50 divided by 62

(III) 875.65 divided by 83

The correct sequence in decreasing order is:

(a) I, III, II

(b) II, I, III

(c) II, III, I

(d) III, I, II

Q.15. Statement–I: All squares are rectangles

Statement–II: All rectangles are squares. Which of the following is true?

(a) None of these

(b) Statement I and II

(c) Only Statement II

(d) Only Statement I

Q.16. A hexagon ABCDEF is a six-sided polygon.

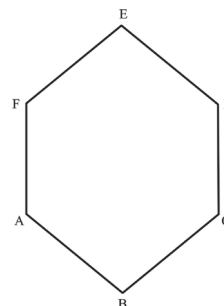
How many diagonals are there in the hexagon?

(a) 7

(b) 8

(c) 9

(d) 10



Q.17. The sum of two positive integers is equal to 77. If the first number is multiplied by 8 and the second by 6, then the results are equal. What is the larger of two numbers?

(a) 33

(b) 22

(c) 44

(d) 11

Q.18. What is the sixth term in the number sequence?

1, 11, 21, 1211, 111221, - - - - -

(a) 12111

(b) 312211

(c) 131231

(d) 112221

Q.19. Which of the following properties are applicable to the division of whole numbers?

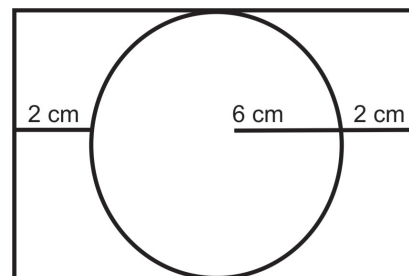
- (a) Distributive property (b) Commutative property
(c) Associative property (d) All of the above

Q.20. A square and a rectangular plot of land have same perimeter. If the square of side 40 m and rectangle is of length 5 dam. The area of rectangle:

- (a) 200 m^2 (b) 150 m^2
(c) 1500 m^2 (d) 1600 m^2

Q.21. A circle is inscribed in a rectangle as shown. If the radius of circle is 6 cm, then the perimeter of rectangle is:

- (a) 58 cm (b) 24 cm
(c) 56 cm (d) 52 cm



Q.22. Which of the following vary directly?

- (I) Speed of a car and time taken to cover a fixed distance
(II) No. of days worked and amount of wages
(III) No. of pens and their cost
(IV) No. of units of current used and amount of electricity bills

- (a) I, II and III (b) II, III and IV
(c) I, III and IV (d) I and II and IV

Q.23. Which polygon has the sum of its interior angle as 1260° ?

- (a) Octagon (b) Decagon
(c) Nonagon (d) Icosagon

Q.24. Nisha made a mistake when multiplying the two fractions $\frac{1}{6}$ and $\frac{3}{5}$ and got the result 2 more than the actual correct result. Find the result obtained by Nisha:

- (a) $\frac{21}{20}$ (b) $\frac{24}{25}$ (c) $\frac{25}{27}$ (d) $\frac{27}{10}$

Q.25. The boys and girls in a college are in the ratio 3 : 2. If 20% of the boys and 25% of the girls are adults, the % of students who are not adults is:

- (a) 78% (b) 58% (c) 82.5% (d) 67.5%