

Quarterly Examination 2018-2019

Maths

Class : VI

Time : 2 hrs. + 15 Mins.

Full Marks : 80

Q1. Mental Maths : [10]

- a. The sum of the face value and the place value of the digit 2 in 720 is _____ .
- b. In the smallest 6–digit number, the digit at the ten's place is _____.
- c. Estimate $78 + 43$ to its nearest tens.
- d. 1 million = _____ lakhs.
- e. The predecessor of 89, 00, 120 is _____.
- f. When zero is divided by any natural number, the answer is always _____.
- g. -9 _____ -19 (Put $>$, $<$)
- h. 0 is a positive integer (True / False)
- i. Write 2.088 as fraction.
- j. A perpendicular bisector of a line segment divides the line segment into _____ equal parts.

Q2. Solve the following : [20]

- a. Add 728 and -42 .
- b. Write a digit in the blank space so that the number formed is divisible by 9,3,2, _____ 38.

{Turn Over}

- c. If $\frac{2}{14}$ of a number is 245, find the number.
- d. The sum of two numbers is -72 . One of them is -14 , find the other.
- e. Convert $\frac{42}{8}$ into decimal.
- f. Write the decimal equivalent to :
 $4 \times 100 + 8 \times \frac{1}{100} + 9 \times \frac{1}{1000}$.
- g. Write the first four multiples of 14.
- h. Arrange in ascending order :
 $-21, 20, -22, 15, -15$
- i. A bicycle wheel takes three and a half turns. Find the number of right angles through which it turns.
- j. Arrange in descending order.
 $\frac{7}{10}, \frac{9}{40}, \frac{11}{20}$ and $\frac{13}{30}$.

Q3. Tick the correct option : [10]

- a. The estimated product of 478×132 to its nearest hundreds is (48,000 / 50,000)
- b. There are _____ whole numbers between 46 and 77 (30 / 31)
- c. In which direction should one move to reach -67 from -80 ? (right / left)
- d. Withdrawal of Rs. 5,000 is (-5000 / $+5000$)

- c. The cost of a flat is Rs. 21, 35, 690 in a colony. A company decided to purchase 18 such flats for its executives in the colony. What will be the total expenditure of the company ?

Q7. Logical Question. [3]

- e. $|-18| + |9| = \underline{\hspace{2cm}}$ (9 / 27)
- f. 10 and 33 are co-prime numbers. (false / True)
- g. The value of a in $\frac{5}{9} = \frac{15}{a}$ is (27 / 18)
- h. 16kg and 25 gm = $\underline{\hspace{2cm}}$ kg (16.25 kg / 16.025 kg)
- i. $1' = \underline{\hspace{2cm}}$ " (60 / 120)
- j. An angle of magnitude 15° can be drawn by bisecting an angle of $\underline{\hspace{2cm}}$ (30° / 45°)

Q4. Solve the following : [15]

- a. Draw a line segment AB of length 7 cm. Mark a point C such that AC = 3 cm. Using a ruler and a compass, draw a perpendicular CD to AB at C.
- b. The HCF and LCM of two numbers are 5 and 385 respectively. If one of the two numbers is 55, find the other number.
- c. $360^\circ 22'' - 258^\circ 36' 50''$
- d. Simplify : $200.9 - 50.55 - 101.99 + 18.26$
- e. Evaluate : $-201 + 253 - (-56) - 0$
- f. By studying the pattern, evaluate :
 $2 + 4 + 6 + \dots + 100.$

Q5. Solve and Answer :

- a. How many line segments are there in the given figure.

[3]

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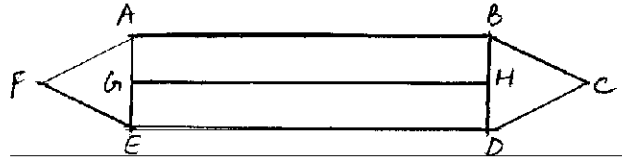
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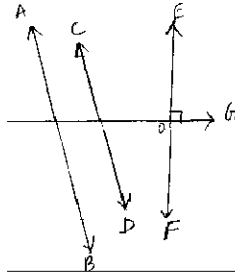
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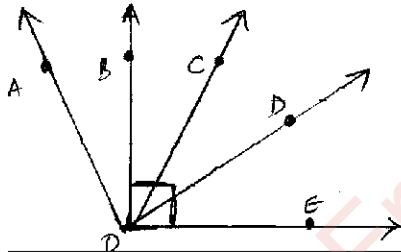
b. In the adjoining figure, name the following. [3]

- a pair of parallel lines.
- intersecting lines.
- perpendicular lines.



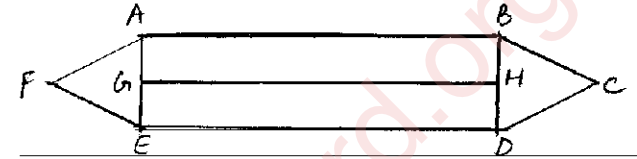
c. In the given figure, name the following angles made by ray OE.

- acute [2]
- right [1]
- Obtuse [1]



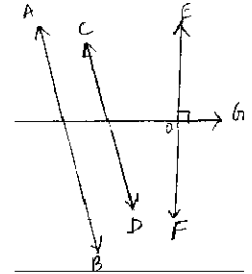
Q6. Word Problems — [12]

- Himani buys a pair of trousers and a shirt for her brother for Rs. 565.99 and Rs. 455.50 respectively. What is the total cost of these items? If she has Rs. 1200, how much money is left with her after shopping?
- There are 400 oranges in a basket. $\frac{1}{8}$ of them are rotten and $\frac{3}{4}$ of them have been peeled. How many oranges are neither rotten nor peeled?



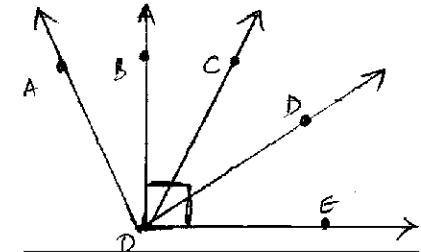
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