

# SUBJECT-MATHEMATICS

## CLASS-VI

Time:- 3 Hrs.

M.M- 80

**Instructions:-**

- (i) Read all question carefully before attempting the question
- (ii) All questions are compulsory
- (iii) Marks are allotted against questions. .
- (iv) Write neatly and clearly

**Section- A (1×20)**

**Fill in the blanks.**

**Q1.** \_\_\_\_\_ line can pass through one given point.

**Q2.** The opposite of 45 km east is \_\_\_\_\_.

**Q3.** If a number is divisible by 2 and 3 both then it is divisible by \_\_\_\_\_ also.

**Q4.** A number which has only two factors is called a \_\_\_\_\_

**Q5.** The sum of  $20 + (- 6)$  is \_\_\_\_\_

**Q6.** The simplest form of  $\frac{8}{32}$  is \_\_\_\_\_

- Q7. Which is the smallest whole number \_\_\_\_\_
- Q8. What is the sum of any two Odd numbers \_\_\_\_\_
- Q9. The smallest composite number is \_\_\_\_\_
- Q10. 1 is neither \_\_\_\_\_ nor \_\_\_\_\_

**True/False**

- Q11. All prime numbers are odd. ( )
- Q12. The product of three odd numbers is odd. ( )
- Q13. Zero is the smallest natural number. ( )
- Q14. The successor of a two digit number is always a two digit number. ( )
- Q15.  $-100$  is to the right of  $-50$  on a number line. ( )
- Q16. Smallest negative integer is  $-1$ . ( )
- Q17.  $600$  is the successor of  $599$ . ( )
- Q18. Prime numbers do not have any factors. ( )
- Q19.  $20 \times 0 \times 10 = 200$ . ( )
- Q20. The product of two even numbers is always even. ( )

**Section- B (2×6)**

- Q21. Find the sum of –  
- 340, 40 and 164
- Q22. Write all the factors of the following numbers:-

a) 64

b) 18

**Q23.** Find the common factors of 36, 48 and 24?

**Q24.** Find the **HCF** of 12, 45, 75

**Q25.** Use number line and add  $(-2) + 8 + (-4)$

**Q26.** Write the following decimals in the place value table.

(a) 0.29 (b) 19.60

**Section- C (3×8)**

**Q27.** Which is greater?

(a) 0.3 or 0.4 (b) 0.07 or 0.02 (c) 3 or 0.8

**Q28.** Nasreen bought 3 m 20 cm cloth for her shirt and 2 m 5 cm cloth for her trouser. Find the total length of cloth bought by her.

**Q29.** Namita travels 20 km 50 m every day. Out of this she travels 10 km 200 m by bus and the rest by auto. How much distance does she travel by auto?

**Q30.** Find the sum of  $(-10)$ ,  $(92)$ ,  $(84)$  and  $(-15)$

**Q31.** Write all the numbers less than 100 which are common multiples of 3 and 4.

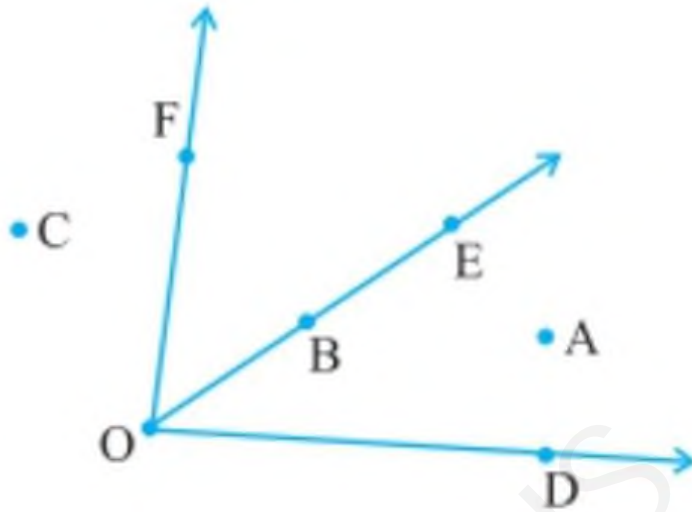
**Q32.** Write the greatest 4-digit number and express it in terms of its prime factors.

**Q33.** In the given diagram, name the point(s)

(a) In the interior of  $\angle DOE$

(b) In the exterior of  $\angle EOF$

(c) On  $\angle EOF$



**Q34.** Rafiq exercised for  $\frac{3}{6}$  of an hour, while Rohit exercised for  $\frac{3}{4}$  of an hour.

Who exercised for a longer time? And by how much?

**Section- D (4×6)**

**Q35.** Draw any circle and mark

- (a) its centre
- (b) a radius
- (c) a diameter
- (d) a sector
- (e) a segment
- (f) a point in its interior
- (g) a point in its exterior
- (h) an arc

**Q36.** Following table shows the number of bicycles manufactured in a factory during the years 1998 to 2002. Illustrate this data using a bar graph. Choose a scale of your choice.

<b>Years</b>	<b>Number of bicycles manufactured</b>
1998	800
1999	600
2000	900
2001	1100
2002	1200

(a) In which year were the maximum number of bicycles manufactured?

(b) In which year were the minimum number of bicycles manufactured?

**Q37.** Following is the list of temperature of five places in India on a particular day of the year.

<b>Place</b>	<b>Temperature</b>
Siachin	10 <sup>0</sup> c below 0 <sup>0</sup> c
Shimla	2 <sup>0</sup> c below 0 <sup>0</sup> c
Ahmedabad	30 <sup>0</sup> c above 0 <sup>0</sup> c
Delhi	20 <sup>0</sup> c above 0 <sup>0</sup> c
Srinagar	5 <sup>0</sup> c below 0 <sup>0</sup> c

- a) Write the temperature of these places in the form of integers.
- b) Represent all temperature in degree Celsius on the number line.
- c) Which is the coolest place?
- d) Write the names of the places where temperatures are above  $10^{\circ}\text{C}$ ?

**Q38.** Nandini's house is  $\frac{9}{10}$  km from her school. She walked some distance and then took a bus for  $\frac{1}{2}$  km to reach the school. How far did she walk?

**Q39.** A taxidriver filled his car petrol tank with 40 litres of petrol on Monday. The next day, he filled the tank with 50 litres of petrol. If the petrol costs 44 per litre, how much did he spend in all on petrol?

**Q40.** Fill in the blanks.

(a)  $(-8) + \underline{\hspace{2cm}} = 0$

(b)  $13 + \underline{\hspace{2cm}} = 0$

(c)  $12 + (-12) = \underline{\hspace{2cm}}$

(d)  $(-4) + \underline{\hspace{2cm}} = -12$