

Std.VI Section : _____

Subject : Maths

Marks : _____
80

Date : _____

Term-I

Name : _____ Roll No. _____

Time : 3:00 Hrs.

General Instructions :

- 1) The question paper contains 38 questions divided into five sections A, B, C, D & E.
- 2) Question no. 1 to 20 in Section A carries one mark each.
- 3) Question no. 21 to 25 in Section B carries two marks each.
- 4) Question no. 26 to 31 in Section C carries three marks each.
- 5) Question no. 32 to 35 in Section D carries five marks each.
- 6) Question no. 36 to 38 in Section E carries four marks each.
- 7) All questions are compulsory.

Section - A (Each Carries 1 mark)

20M

Multiple Choice Question :

Q.1 : What is the place value of 6 in the number 8,65,701?

- a) 6 b) 6000 c) 60000 d) 65701

Q.2 : Which of these is greater : 27,52,765 or 27,25,755?

- a) 27,52,765 b) 27,25,755 c) both are equal d) cannot be determined

Q.3 : Using International system of numeration, find the number match for seventy million four hundred twenty thousand two hundred forty two.

- a) 70,420,242 b) 17,420,424 c) 70,402,242 d) 17,420,242

Q.4 : The whole number which is not a natural number is _____.

- a) 2 b) 1 c) 0 d) 10

Q.5 : What comes just after 99,998?

- a) 99,997 b) 99,998 c) 99,999 d) 1,00,000

Q.6 : The product of first two natural number is _____.

- a) 0 b) 2 c) 1 d) 3

Q.7 : Write true or false :

- i) Whole number starts from zero.
ii) Natural numbers are used for counting objects.

Q.8 : A number for which the sum of all it's factors is equal to twice the number is called _____ number.

- a) perfect b) prime c) composite d) twin primes

Q.9 : What is a multiple of both 4 and 6?

- a) 16 b) 20 c) 24 d) 28

Q.10: Select the greatest integer from given below

- a) -8 b) -5 c) -6 d) -10

Q.11: What is $(-8) \times (-2)$?

- a) -16 b) 0 c) 10 d) 16

Q.12: Fractions having the same denominator are called _____ fractions.

- a) unlike b) like c) proper d) improper

Q.13 : Which denominator makes the fraction $\frac{3}{5}$ and $\frac{12}{\square}$ equivalent?

- a) 20 b) 25 c) 30 d) 35

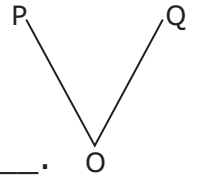
Q.14 : $\frac{17}{85}$ in lowest terms is _____.

- a) $\frac{17}{85}$ b) $\frac{2}{5}$ c) $\frac{1}{5}$ d) $\frac{4}{3}$

Q.15 : Which of the following has a definite length?

- a) line b) ray c) point d) line segment

Q.16 : Write the name of the vertex, arms of the following figure.



Q.17 : An observation occurring as many times is data is called it's _____.

- a) range b) array c) frequency d) raw data

Q.18 : 12 is represented in tally marks as _____.

- a) $\text{||||} \text{||||} \text{||}$ b) $\text{||||} \text{||||}$ c) $\text{||||} \text{|||}$ d) $\text{||||} \text{||||} \text{|||}$

Q. 19 : Assertion (A) : The product of a positive and a negative integer is negative.

Reasons (R) : Multiplication of unlike signs gives a negative result.

- a) Both A and R are true and R is the correct explanation of A.
b) Both A and R are true and R is not the correct explanation of A.
c) A is true but R is false.
d) A is false but R is true.

Q. 20 : Assertion (A) : $\frac{1}{17}$ is unit fraction.

Reasons (R) : The numerator of unit fraction is less than the denominator.

- a) Both A and R are correct and R is the correct explanation for A.
b) Both A and R are correct but R is not the correct explanation for A.
c) A is true but the R is false.
d) Both A and R are false.

Section B (Each carries 2 marks)

10M

Q.21 : Write the expanded form of the following numerals.

- i) 463891 ii) 1078054

Q.22: Write the additive inverse of the following : a) 49 b) -13 c) -5 d) 21

Q.23: Given data represent marks (out of 30) scored by Grade VII students, in a class test of Math. 22, 30, 12, 25, 18, 30, 27, 16, 20, 24.

i) How many students got full marks?

ii) How many students got marks' below 25?

Q.24 : **A)** Add the given integers, without using numbers line :

i) $38 + (-13) + 0$

ii) $(-17) + 14 + 50$

OR

Q.24 : **B)** Arrange the following in Ascending and Descending order :

3265321, 4281678, 496283, 4298627

Q.25 **A)** Find $\frac{3}{5}$ of a collection of i) 20 books ii) 15 copies

OR

Q.25 **B)** Find the sum of i) $\frac{7}{11} + \frac{3}{11}$ ii) $3\frac{1}{3} + \frac{1}{3}$

Section C (Each carries 3 marks)

18M

Q.26 : Find the prime factors by using factor tree method a) 50 b) 91 c) 12

Q.27 : Solve : i) $(-35) \div 5$ ii) $(-64) \div (-8)$ iii) $(-40) \div (-10)$

Q.28 **A)** A factory gives a target to produce 500 toys in three days, if the factory produce 178 toys on first day and 142 toys on second day how many toys the factory have to produce on third day

OR

Q.28 **B)** A bottle manufacturing unit produces 1450 bottles daily. How many bottles does it produce in 135 days?

Q.29 **A)** find the HCF and LCM of the following pairs of numbers and verify that product of the numbers = HCF x LCM.

a) 13, 39

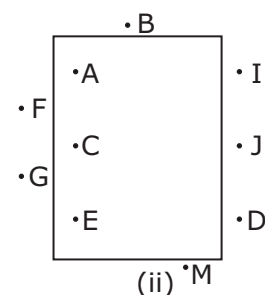
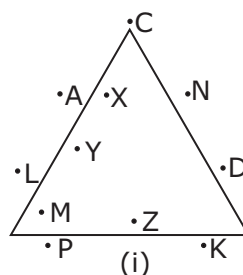
b) 21, 24

OR

Q.29 **B)** Find the LCM and HCF of the given numbers by common division method 20, 25, 30

Q.30 : Find the difference : a) $\frac{13}{15} - \frac{7}{15}$ b) $4\frac{1}{2} - 3\frac{1}{2}$

Q.31 : Write the interior and exterior points of the following figures.



Section D (each carries 5 marks) 20M

Q.32 **A)** Arrange the following integers in ascending and descending order.

- i) -9, -4, 2, 0 and -11 ii) -9, -15, 7, 4 and -3

OR

Q.32 **B)** Solve : i) Write absolute value of $|-35|$

ii) $-14 + 0 =$

iii) $32 \div (-8) =$

iv) $(-12) \times (-5) \times 10 =$

v) Find $|7-3| \times |4-3| =$

Q.33 : 20 students were asked their favourite subject. The responses were -

Math, English, Science, Math, Science, Math English, Math, History, Science, English, Math, History, Science, English, Science, Math, English, History, Math create a frequency tally table.

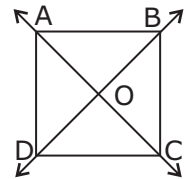
Q.34 **A)** Three bells ring at intervals of 30 minutes, 40 minutes and 60 minutes in a college. If they all ring at 7:30 am together, at what time will they ring together again?

OR

Q.34 **B)** The HCF and LCM of two numbers are 25 and 2250, respectively. If one of the number is 250. Find the other number.

Q.35 : Identify the following from the given figure :

- i) Points ii) Lines iii) Line segments
iv) Ray v) Intersecting lines



Section E (Each carries 4 marks)

12M

Case Study 01 :

Q.36 : An NGO collected the following donations :

Company A : ₹1,00,000

Company B : ₹75,000

Company C : ₹1,79,000

Company D : ₹90,000

i) Which company donated the most?

- a) A b) B c) C d) D

ii) Which company donated ₹90,000?

- a) A b) B c) C d) D

iii) a) Write the donated amount in ascending order.

OR

b) What is the total of donations?

- a) 344000 b) 484004 c) 444000 d) 648000

Case Study 2:

Q.37 : An apartment complex has 5 buildings, each with 10 floors.

On each floor has 2 apartments. The society has 1 parking slot per apartment.

i) How many total floors are there in the apartment?

- a) 50 b) 60 c) 55 d) 65
- ii) Find total number of apartments
a) 80 b) 100 c) 120 d) 250
- iii) a) Total parking slot = _____.
a) 300 b) 200 c) 100 d) 150

OR

- b) If the complex is charging ₹500 for parking slot, then total collection will be (₹500 for each apartment)
a) 20000 b) 30000 c) 50000 d) 15000

Case Study 3 :

Q.38 : A teacher has 200 school notebooks and plans to distribute them among the students. She wants to give $\frac{2}{5}$ of the notebooks to 1st grade, $\frac{1}{4}$ to 2nd grade and remaining to 3rd grade students.

- i) How many total grades are there _____.
a) 4 b) 3 c) 5 d) 2
- ii) How many notebooks will the 2nd grade receive?
a) 100 b) 60 c) 80 d) 50
- iii) a) How many notebooks are there with 3rd grade?
a) 130 b) 150 c) 30 d) 100
- OR**
- b) Which grade received more notebooks?
a) grade 1 b) grade 2 c) grade 3 d) can't determined
