

**CLASS - VI**

- 1) Write 98 in Roman Numerals. \_\_\_\_\_  
1) XCVIII      2) CXVIII      3) IXC VIII      4) XVIIC
- 2) How many whole numbers are there between 32 and 53. \_\_\_\_\_  
1) 21      2) 20      3) 22      4) 19
- 3) Find the value of  $3845 \times 5 \times 782 + 769 \times 25 \times 218$  \_\_\_\_\_  
1) 1,92,20,000      2) 1,92,25,000      3) 1,91,25,000      4) 1,90,25,000
- 4) A taxi driver 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 cost Rs. 44 per litre. How much he spend in all on petrol Rs. \_\_\_\_\_  
1) 3690      2) 3906      3) 3960      4) 9630
- 5) Next number in the series 0,6,24,60,120,210..... is \_\_\_\_\_  
1) 240      2) 336      3) 420      4) 346
- 6) The book “ The Elements “ was written by \_\_\_\_\_  
1) Euclid      2) D.R.K. Kaprekar      3) Srinivasa Ramanujan      4) Sakuntala Devi
- 7)  $\frac{1}{9}^{th}$  part of an angle in one full rotation is \_\_\_\_\_  
1)  $60^\circ$       2)  $90^\circ$       3) 22.5      4) 40
- 8) Which of the following numbers are co-primes \_\_\_\_\_  
1) 15 and 37      2) 216 and 215      3) 81 and 16      4) All
- 9) The HCF of 70, 105, 175 is \_\_\_\_\_  
1) 30      2) 45      3) 35      4) 25
- 10) A number when divided by 12 gives 7 as quotient and 9 as remainder. The number is \_\_\_\_  
1) 91      2) 92      3) 93      4) 95
- 11) In an evening walk, three persons step off together. Their steps measure 80cm, 85cm and 90 cm respectively. What is the minimum distance each should walk, so that all can cover the same distance in complete steps ? \_\_\_\_\_ cm.  
1) 14420      2) 21240      3) 14240      4) 12240

- 12) Determine the smallest 3-digit number which is exactly divisible by 6,8 and 20 \_\_\_\_\_  
1) 110                      2) 115                      3) 120                      4) 130
- 13) What is the multiplicative identity in the set of whole numbers \_\_\_\_\_  
1) 0                      2) -1                      3) 1                      4) none
- 14) The least number when divided by 6,15 and 18 leave remainder 5 in each case is \_\_\_\_\_  
1) 95                      2) 90                      3) 85                      4) 80
- 15)  $(-22) + 21 + (-22) + 21 + \dots + 21$  ..... 20 terms is equal to \_\_\_\_\_  
1) 10                      2) -10                      3) -11                      4) 11
- 16) Number of even prime numbers is \_\_\_\_\_  
1) 2                      2) 0                      3) 1                      4) unlimited
- 17) Which of the following numbers is divisible by 4 \_\_\_\_\_  
1) 8675231                      2) 9843212                      3) 1234567                      4) 543123
- 18) Which of the following numbers is divisible by 9 \_\_\_\_\_  
1) 9076185                      2) 92106345                      3) 10349576                      4) 95103476
- 19) If  $a \otimes b = a + b - bc$ , then  $(5 \otimes 3) - (4 \otimes 8) =$  \_\_\_\_\_  
1) -13                      2) -27                      3) -17                      4) 13
- 20) The sum of the prime numbers between 60 and 75 is \_\_\_\_\_  
1) 199                      2) 201                      3) 211                      4) 272
- 21) If X and Y are co-prime, then their LCM is \_\_\_\_\_  
1) xy                      2) x+y                      3)  $\frac{x}{y}$                       4) 1
- 22) The least number divisible by 15, 20, 24, 32 and 36 is \_\_\_\_\_  
1) 1440                      2) 1660                      3) 2880                      4) None of those
- 23) The smallest number which when diminished by 3 is divisible by 21, 28, 36 and 45 is \_\_\_\_\_  
1) 1257                      2) 1260                      3) 1263                      4) None of those

- 24) Three numbers are in the ratio 1:2:3 and their HCF is 6, the numbers are \_\_\_\_\_  
1) 4,8,12                      2) 5,10,15                      3) 6,12,18                      4) 10, 20,30
- 25) If an integer  $a$  is greater than 7, then  $|7 - a| =$  \_\_\_\_\_  
1)  $7-a$                       2)  $a-7$                       3)  $7+a$                       4)  $-7-a$
- 26) Which of the following number is prime \_\_\_\_\_  
1) 23                      2) 51                      3) 38                      4) 26
- 27) Which of the following number is not divisible by 4 \_\_\_\_\_  
1) 78536                      2) 1264                      3) 6421                      4) 7935
- 28) The smallest prime just greater than the HCF of 84 and 144 is \_\_\_\_\_  
1) 11                      2) 17                      3) 19                      4) 13
- 29) STOP  $\rightarrow$  RQVU ; PRIZE  $\rightarrow$  GBKTR then BRUSH  $\rightarrow$  \_\_\_\_\_  
1) CSVTI                      2) GRTQA                      3) DTWUJ                      4) JUWTD
- 30) If the number  $2345a60b$  is exactly divisible by 3 and 5, then the maximum value  $a+b$  is \_\_\_\_\_  
1) 12                      2) 13                      3) 14                      4) 15
- 31) The number of factors of 1080 is \_\_\_\_\_  
1) 32                      2) 28                      3) 24                      4) 36
- 32) The HCF of first 100 natural numbers is \_\_\_\_\_  
1) 2                      2) 100                      3) 1                      4) none
- 33) If  $a$  and  $b$  are two co-primes, which of the following is true ? \_\_\_\_\_  
1)  $\text{LCM}(a, b) = a \times b$                       2)  $\text{HCF}(a, b) = 1$   
3) Both (a) and (b)                      4) neither (a) nor (b)
- 34) The product of the successor and predecessor of 99 is \_\_\_\_\_  
1) 9800                      2) 9900                      3) 1099                      4) 9700
- 35) The number of whole numbers between the smallest whole number and the greatest 2-digit number is \_\_\_\_\_  
1) 101                      2) 100                      3) 99                      4) 98
- 36) The least number of 4-digits is exactly divisible by 9 is \_\_\_\_\_  
1) 1008                      2) 1009                      3) 1026                      4) 1018

- 37) The value of  $1735 \times 1232 - 1735 \times 232$  is \_\_\_\_\_  
 1) 17350                      2) 173500                      3) 1735000                      4) 173505
- 38) The HCF of 91, 112, 49 is \_\_\_\_\_  
 1) 7                      2) 14                      3) 11                      4) 49
- 39) Calculate  $1-2+3-4+5-6+7-8+\dots\dots\dots+49-50$  \_\_\_\_\_  
 1) -20                      2) -25                      3) -30                      4) 25
- 40) The ratio of two numbers is 3 : 4 and their HCF is 4. Then LCM is \_\_\_\_\_  
 1) 12                      2) 16                      3) 24                      4) 48
- 41) The successor of -79 is \_\_\_\_\_  
 1) -80                      2) -78                      3) 80                      4) 78
- 42) The H.C.F and L.C.M of two numbers are 13 and 1989 respectively. If one of the numbers is 117. The other number is \_\_\_\_\_  
 1) 221                      2) 212                      3) 231                      4) 241
- 43) Simplify :  $(-145) + 97 + (-365) + (-71) + 8$  \_\_\_\_\_  
 1) -466                      2) -460                      3) -476                      4) -486
- 44) The least number exactly divisible by 36 and 24 is \_\_\_\_\_  
 1) 144                      2) 72                      3) 64                      4) 324
- 45) Every counting number has an infinite number of \_\_\_\_\_  
 1) factors                      2) multiples                      3) prime factors                      4) none of these
- 46) Which of the following is not equal to zero \_\_\_\_\_  
 1)  $0 \times 0$                       2)  $\frac{0}{2}$                       3)  $\frac{(6-6)}{2}$                       4)  $4+0$
- 47) Determine the greatest 3-digit number which is exactly divisible by 8, 10 and 12 \_\_\_\_\_  
 1) 940                      2) 960                      3) 980                      4) 970
- 48) An operation  $\Delta$  is defined as  $a \Delta b = a - b - 2$ , for all integers a,b. Then  $7 \Delta (-4) =$  \_\_\_\_\_  
 1) 11                      2) -9                      3) 9                      4) 1

- 49) Find the smallest 4-digit number which is divisible by 18, 24 and 32 \_\_\_\_\_  
1) 1251                      2) 1525                      3) 1252                      4) 1152
- 50) The length, breadth and height of a room are 825 cm, 675 cm and 450 cm respectively. Find the longest tape which can measure the three dimensions of the room exactly.  
1) 65 cm                      2) 75 cm                      3) 85 cm                      4) 95 cm
- 51) Renu purchased two bags fertilizer of weight 75kg and 69kg. Find the minimum value of weight which can measure the weight of the fertilizer exact number of times. \_\_\_\_\_  
1) 4kg                          2) 5kg                          3) 3kg                          4) 6kg
- 52) The least number which when divided by 12, 16, 24 and 36 leaves a remainder 7 in each case is \_\_\_\_\_  
1) 151                          2) 152                          3) 153                          4) 144
- 53) In a particular problem  $bd \times ce = 840$ ,  $ac \times bd = 312$  then  $ce \times bc =$  \_\_\_\_\_  
1) 805                          2) 710                          3) 620                          4) 840
- 54) Which of the following numbers is divisible by 11 \_\_\_\_\_  
1) 1111111                      2) 2222222                      3) 3333333                      4) 4444444
- 55) The H.C.F of 144 and 192 is \_\_\_\_\_  
1) 46                              2) 48                              3) 47                              4) 44
- 56) Some hen and goat are in a field. Their total heads 45 and total legs 150. Then number of hen and sheep in the same order. \_\_\_\_\_  
1) 30,15                          2) 20,25                          3) 25, 20                          4) 15,30
- 57) Given that the H.C.F of two numbers is 16 and their product is 6400, their L.C.M is \_\_\_\_\_  
1) 300                              2) 200                              3) 250                              4) 400
- 58) If the difference between  $\frac{4}{5}$  of  $\frac{3}{4}$  of a number and  $\frac{2}{5}$  of  $\frac{1}{6}$  of the same number is 648, then the number is \_\_\_\_\_  
1) 1440                          2) 1215                          3) 1110                          4) 1325
- 59) A monkey is climbing a 50 steps ladder. At 25th step, she dropped 8 steps then again climbed 12 steps, again dropped 9 steps. In the final attempt she reached the top. Number of steps she climbed in her final trail \_\_\_\_\_  
1) 41                              2) 33                              3) 30                              4) 15

60) In finding L.C.M through division method the value of x, y, z in the same order.

$$\begin{array}{r|l} x & 24, 36, 48 \\ \hline 3 & 06, y, 12 \\ \hline z & 02, 03, 04 \\ \hline & 01, 03, 02 \end{array}$$

1) 2,9,4

2) 4,9,2

3) 6,6,2

4) 4,6,2

A large empty rectangular box with a thin black border, occupying most of the page. It is intended for the student to write their answers to the test questions.