

OBJECTIVE TYPE QUESTIONS

Mark the correct alternative in each of the following:

1. The smallest natural number is
(a) 0 (b) 1 (c) -1 (d) None of these
2. The smallest whole number is
(a) 1 (b) 0 (c) -1 (d) Non-existent
3. The predecessor of 1 in natural numbers is
(a) 0 (b) 2 (c) -1 (d) None of these
4. The predecessor of 1 in whole numbers is
(a) 0 (b) -1 (c) 2 (d) None of these
5. The predecessor of 1 million is
(a) 9999 (b) 99999 (c) 999999 (d) 1000001
6. The successor of 1 million is
(a) 10001 (b) 100001 (c) 1000001 (d) 10000001
7. The product of the successor and predecessor of 99 is
(a) 9800 (b) 9900 (c) 1099 (d) 9700
8. The product of a whole number (other than zero) and its successor is
(a) an even number (b) an odd number
(c) divisible by 4 (d) divisible by 3
9. The product of the predecessor and successor of an odd natural number is always divisible by
(a) 2 (b) 4 (c) 6 (d) 8
10. The product of the predecessor and successor of an even natural number is
(a) divisible by 2 (b) divisible by 3 (c) divisible by 4 (d) an odd number
11. The successor of the smallest prime number is
(a) 1 (b) 2 (c) 3 (d) 4
12. If x and y are co-primes, then their LCM is
(a) 1 (b) $\frac{x}{y}$ (c) xy (d) None of these
13. The HCF of two co-primes is
(a) the smaller number (b) the larger number
(c) product of the numbers (d) 1
14. The smallest number which is neither prime nor composite is
(a) 0 (b) 1 (c) 2 (d) 3
15. The product of any natural number and the smallest prime is
(a) an even number (b) an odd number
(c) a prime number (d) None of these
16. Every counting number has an infinite number of
(a) factors (b) multiples (c) prime factors (d) None of these
17. The product of two numbers is 1530 and their HCF is 15. The LCM of these numbers is
(a) 102 (b) 120 (c) 84 (d) 112
18. The least number divisible by each of the numbers 15, 20, 24 and 32 is

- (a) 960 (b) 480 (c) 360 (d) 640
19. The greatest number which divides 134 and 167 leaving 2 as remainder in each case is
 (a) 14 (b) 19 (c) 33 (d) 17
20. Which of the following numbers is a prime number?
 (a) 91 (b) 81 (c) 87 (d) 97
21. If two numbers are equal, then
 (a) their LCM is equal to their HCF (b) their LCM is less than their HCF
 (c) their LCM is equal to two times their HCF (d) None of these
22. a and b are two co-primes. Which of the following is/are true?
 (a) $\text{LCM}(a, b) = a \times b$ (b) $\text{HCF}(a, b) = 1$
 (c) Both (a) and (b) (d) Neither (a) nor (b)

ANSWERS

1. (b) 2. (b) 3. (d) 4. (a) 5. (c) 6. (c) 7. (a) 8. (a)
 9. (b) 10. (d) 11. (c) 12. (c) 13. (d) 14. (b) 15. (a) 16. (b)
 17. (a) 18. (b) 19. (c) 20. (d) 21. (a) 22. (c)

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