



spardhaguru2022



Spardhaguru Current affairs



Spardhaguru1



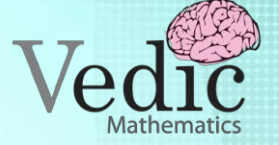
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1) All natural numbers and 0 are called as \_\_\_\_\_ numbers.

- a) Rational                      b) Integers  
c) Whole                         d) Prime

2) Consider the following statements about natural numbers:

- (1) There exists a smallest natural number.  
(2) There exists a largest natural number.  
(3) Between two natural numbers, there is always a natural number.

Which of the above statements is/are correct?

- a) None                              b) Only 1  
c) 1 and 2                         d) 2 and 3

3) Every rational number is also

- a) an integer                      b) a real number  
c) a natural number              d) a whole number

4) The number  $\pi$  is

- a) a fraction  
b) a recurring decimal  
c) a rational number  
d) an irrational number

5)  $\sqrt{2}$  is a/an

- a) rational number              b) natural number  
c) irrational number            d) integer

6) The number  $\sqrt{3}$  is

- a) a finite decimal  
b) an infinite recurring decimal  
c) equal to 1.732  
d) an infinite non-recurring decimal

7) There are just two ways in which 5 may be expressed as the sum of two different positive (non-zero) integers, namely  $5 = 4 + 1 = 3 + 2$ . In

how many ways, 9 can be expressed as the sum of two different positive (non-zero) integers?

- a) 3                                  b) 4                                  c) 5                                  d) 6

8) P and Q are two positive integers such that  $PQ = 64$ . Which of the following cannot be the value of  $P + Q$ ?

- a) 16                                b) 20                                c) 35                                d) 65

9) If n is an integer between 20 and 80, then any of the following could be  $n+7$  except

- a) 47                                b) 58                                c) 84                                d) 88

10) If x, y, z be the digits of a number beginning from the left, the number is

- a) xyz                                b)  $x + 10y + 100z$   
c)  $10x + y + 100z$               d)  $100x + 10y + z$

11) If x, y, z and w be the digits of a number beginning from the left, the number is

- a) xyzw  
b) wzyx  
c)  $x + 10y + 100z + 1000w$   
d)  $103x + 102y + 10z + w$

12) If n and p are both odd numbers, which of the following is an even number?

- a)  $n + p$                               b)  $n + p + 1$   
c)  $np + 2$                             d) np

13) For the integer n, if  $n^3$  is odd, then which of the following statements are true?

- I. n is odd.                      II.  $n^2$  is odd.                      III.  $n^2$  is even  
a) I only                              b) II only  
c) I and II only                      d) I and III only

14) If  $(n - 1)$  is an odd number, what are the two other odd numbers nearest to it?





- a)  $n, n-1$
- b)  $n, n-2$
- c)  $n-3, n+1$
- d)  $n-3, n+5$

15) Which of the following is always odd?

- a) Sum of two odd numbers
- b) Difference of two odd numbers
- c) Product of two odd numbers
- d) None of these

