Spardhaguru India Private Limited

Basic Number System

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

5) √2 is a/an
a) rational number b) natural number
c) irrational number d) integer

6) The number √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 n3 is odd, then which of the following statements are true?
I. n is odd. II. n2 is odd. III. n2 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?

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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

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