Visit QB365-SLMS - https://www.qb365.in/slms/ Complete Questions and Answers

Questions:

2 Marks

1. List the set of letters of the following words in Roster form.
   INDIA
2. List the set of letters of the following words in Roster form.
   MISSISSIPPI
3. Represent the following sets in Roster form.
   $B = \{y : y = \frac{1}{2n}, n \in N, n \leq 5\}$.
4. Represent the following sets in set builder form.
   $C = \{\frac{1}{2}, \frac{2}{3}, \frac{3}{4} \ldots\}$.
5. Represent the following sets in descriptive form.
   Q = {7,11,13,17,19,23,29}
6. Which of the following sets are equivalent or unequal or equal sets?
   C = {2,3,4,5}
   D = { x : x ∈ W, 1 < x < 5}
7. Identify the following sets as null set or singleton set.
   D = The set of all triangles having four sides.
8. If S = {square, rectangle, circle, rhombus, triangle}, list the elements of the following subset of S.
   The set of shapes which have 4 equal sides.
9. If A = {a, {a, b}}, write all the subsets of A.
10. Write down the power set of the following sets.
    X = {1, 2, 3}
11. Write down the power set of the following sets.
    E = ∅
12. Find the number of subsets and the number of proper subsets of the following sets.
    W = {red, blue, yellow}
13. If n(A) = 4, find n[P(A)].
14. State which pairs of sets are disjoint or overlapping?
    C = {x : x is a prime number, x > 2} and D = {x : x is an even prime number}
15. State which pairs of sets are disjoint or overlapping?
    E = {x : x is a factor of 24} and F = {x : x is a multiple of 3, x < 30}

QB365 Study Material QUESTION BANK 365