

Sets and Functions

Sr	Questions	Answers Choice
1	A collection of well-defined distinct object is called:	A. Subset B. Power set C. Set D. None of these
2	NU W =	A. ∅ B. {∅} C. N D. W
3	If set A has all its elements common with set B then set A is calledset.	A. Sub B. Overlapping C. Disjoint D. Super
4	The set having only one element is called.	A. Null set B. Power set C. Singleton set D. Subset
5	The number of elements of the power set {a,b} are.	A. 1 B. 2 C. 3 D. 4
6	If { $x x=p/q$, $q\neq 0$, $p,q\in Z$ } then this is a	A. Set of even numbers B. Set of rational number C. Set of irraional numbers D. Set of integers
7	y co-ordinate of every pint on x-axis is.	A. +ve BVe C. zero D. 1
8	The number of elements in the power set of {1,2,3,4}.	A. 4 B. 8 C. 16 D. 0
9	A collection of well-defined distinct objects is called.	A. subset B. Power set C. Set D. None of these
10	U =	A. U B. A C. A' D. φ
11	The relation R = {(1,2),(2,3),(3,3),(3,4)} IS:	A. Not a function B. Onto function C. One-One function D. Into function
12	The relation {(a,b),(b,c),(a,d)} is	A. A function B. Not a function C. Range D. Domain
13	The Range of R ={(1,3),(2,2),(3,1)(4,4)} is.	A. {1,2,4} B. {3,2,4} C. {1,2,3,4} D. {1,3,4}
14	If A has two elements and B has 3 elements, then number of binary relations in A x B is	A. 2 x 3 B. 2 ³ C. 2 ⁶ D. 2 ²
15	If set a has 3 elements and B has 4 then A x B has elements.	A. 3 B. 4 C. 12 D. 7

16	If A⊆ B the A∩ B =	A. A B. B C. ∅ D. A∪ B
17	A set Q = $\{a/b\}$ a, b \in Z ^ b \neq 0 $\}$ is called a set of.	A. Whole numbers B. Natural number C. Irrational numbers D. Rational numbers
18	If x∈ U and x∉ A, then {x} is equal to	A. U ^c B. A ^c C. Ø ^c D. A - U
19	By definition, which of the following is a set?	A. {a,b,c,d} B. {1,2,3,2} C. {l,m,n,o} D. {0,1,2,3,1}
20	The date presented in the form of frequency distribution is called:	A. distribution B. grouped data C. range data D. regrouped data