Sets and Functions

Sr	Questions	Answers Choice
1	If two sets have some elements common but not all are called..... sets	A. Sub B. OVERLAPPING C. Disjoint D. Super
2	A set with no element is called.	A. Subset B. Empty set C. Singleton set D. Super set
3	Point (-1, 4) lies in the quadrant:	A. I B. II C. III D. IV
4	Which of the following is distributive property of union over intersection?	A. A∪ (B ∪ C) = A∪ (B∪ C) B. A∩ (B∩C)= (A∩B)∩C C. A∪ (B∩ C) = (A∪ B)∩ (A∪ C) D. A∩(B∪ C) = (A∩B)∪(A∩C)
5	If variance is equal to 36 then the standard deviation will be:	A. 36 B. 6 C. -6 D. none of these
6	If set A has all its elements common with set B then set A is called.....set.	A. Sub B. Overlapping C. Disjoint D. Super
7	The domain of R = {(0,2),(2,3),(3,3)(3,4)} is.	A. {0,3,4} B. {0,2,3} C. {0,2,4} D. {2,3,4}
8	The relation {(1, 2),(2, 3),(3, 3),(3, 4)} is:	A. Onto function B. In to function C. Not a function D. One-one function
9	The set having only one element is called.	A. Null set B. Power set C. Singleton set D. Subset
10	If A⊆ B and B⊆ a , then	A. A = B B. A≠ B C. A∩ B =⌀ D. A∪ B =⌀
11	The domain of {(a,b),(b,c),(c,d)} is.....	A. {a,b,c} B. {b,c,d} C. {a,b} D. {a,b,c,d}
12	Point (-1,4) lies in quadrant:	A. I B. II C. III D. IV
13	y co-ordinate of every pint on x-axis is.	A. +ve B. -Ve C. zero D. 1
14	If f is a function from A to B, then f is one - one function if:	A. Range f≠ A B. Range f = B C. Dom f = A D. Second element of all ordered pairs contained in f is not repeated.
15	If set has 3 and B has 2 elements then number binary relations of A x B.	A. 2² B. 2⁸ C. 2⁶

		D. 2³
16	The relation {(1,2),(2,3),(3,3)(3,4)} is.	A. Onto function B. Into function C. Not a function D. One-One function.
17	When the number of observations of a set of data is even then the median formula is:	
18	The set having only one element is called:	A. Null set B. Power set C. Singleton set D. Subset
19	If x∈ U and x∉ A, then {x} is equal to	A. U^c B. A^c C. ∅^c D. A - U
20	If f: A→ B and range of f= B , then f is an.....	A. into function B. onto function C. bijective function D. function