Sets and Functions

Sr	Questions	Answers Choice
1	If A= {1,2,3} , B ={4,5} and R+{(1,4),(2,5),(3,4)} then R is _____	A. One - one function from A to B B. A function A to A C. Not a funtion D. An onto function from A to B
2	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}
3	If two sets have some elements common but not all are called..... sets	A. Sub B. OVERLAPPING C. Disjoint D. Super
4	(A∪B)∪C is equal to	A. A∩ (B∪C) B. (A∪B)∩C <!--[endif]--><o:p></o:p> C. A∪(B∪C) D. A∩ (B∩C)
5	The set having only one element is called:	A. Null set B. Power set C. Singleton set D. Subset
6	E - O = ...	A. ⌀ B. O C. E D. Z
7	When the number of observations of a set of data is even then the median formula is:	
8	N∪ W = ...	A. ⌀ B. {⌀} C. N D. W
9	Power set of an empty set is.	A. ⌀ B. {a} C. {⌀,{a}} D. {⌀}
10	Which of the following is distributive property intersection over union?	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)
11	y co-ordinate of every pint on x-axis is.	A. +ve B. -Ve C. zero D. 1
12	If f is a function from A to B, then f is onto 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.
13	If A⊆ B the A∩ B = _____	A. A B. B C. ⌀ D. A∪ B
14	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}
15	The number of elements of the power set {a,b} are.	A. 1 B. 2 C. 3 D. 4

16	A set containing no element is called.	A. subset B. Empty set C. Singleton set D. Super set
17	Collection of distinct objects.	A. Subset B. Power set C. Set D. None of the
18	If f: A→ B and range of f= B , then f is an.....	A. into function B. onto function C. bijective function D. function
19	The number of elements in the power set of {1,2,3,4}.	A. 4 B. 8 C. 16 D. 0
20	Power set of empty set.	A. ⌀ B. {a} C. {⌀,{a}} D. {⌀}