Sets and Functions

Sr	Questions	Answers Choice
1	The number of elements in power set {1,2,3}:	A. 4 B. 6 C. 8 D. 9
2	Number of elements in power set of {1,2,3}	A. 4 B. 6 C. 8 D. 9
3	The complement of $\varnothing$ is..........	A. $\cup$ B. $\varnothing$ C. Impossible D. Union
4	$A \cap A^c$ = ...	A. $\cup$ B. A^c C. $\varnothing$ D. A
5	A set having only one member.	A. Empty set B. Power set C. Singleton set D. Sub set
6	The set $\{x/x \in W \wedge x \leq 101\}$ is.	A. Infinite set B. Sub set C. Null set D. Finite set
7	The number of elements of the power set {a,b} are.	A. 1 B. 2 C. 3 D. 4
8	The date presented in the form of frequency distribution is called:	A. distribution B. grouped data C. range data D. regrouped data
9	The number of element in power set {1.2.3} is.	A. 4 B. 8 C. 6 D. 9
10	If R= { (a,2),(b,3),(c,3) }, then Dom R = _____	A. {1,2} B. {1,2,3} C. {a,b,c} D. {a,c}
11	The measures that are used to determine the degree or extent of variation in a data set are called:	A. central value B. A.M C. measures of dispersion D. median
12	$N \cap W$ = ...	A. $\varnothing$ B. $\{\varnothing\}$ C. N D. W
13	The point (-5,-7) lies in .... quadrant.	A. I B. II C. III D. IV
14	A collection of well-defined distinct objects is called.	A. subset B. Power set C. Set D. None of these
15	A collection of well-defined distinct object is called:	A. Subset B. Power set C. Set D. None of these

16	The relation {(a,b),(b,c),(a,d)} is..................................	A. A function B. Not a function C. Range D. Domain
17	If A and B are disjoint sets then AUB is equal to:	A. A B. B D. BUA
18	Point (-1,4) lies in quadrant:	A. I B. II C. III D. IV
19	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)
20	Which of the following is associative law of 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)