Sets and Functions

Sr	Questions	Answers Choice
1	When the number of observations of a set of data is even then the median formula is:	
2	x-coordinate of every pint on x-axis is.	A. +ve B. -ve C. zero D. 1
3	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}
4	A set containing no element is called.	A. subset B. Empty set C. Singleton set D. Super set
5	The number of elements in power set {1,2,3}:	A. 4 B. 6 C. 8 D. 9
6	The different number of ways to describe a set are:	A. 1 B. 2 C. 3 D. 4
7	If R = {(0,0),(8,2),(10,3),(14,12)}, then Dom R = _____	A. {0,8,10,14} B. {0,2,3,12} C. {8,10,4} D. {0,10}
8	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)
9	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)
10	Collection of distinct objects.	A. Subset B. Power set C. Set D. None of the
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	A∪(B∩C) = _____	A. (A∪B) ∩ (A∪C) B. A∩ (B∩C) C. (A∩ B)∪ (A∩C) D. A∪ (B∪ C)
13	W - N = ...	A. ⌀ B. {⌀} C. N D. W
14	The number of elements of the power set {a,b} are.	A. 1 B. 2 C. 3 D. 4
15	Venn diagram was first used by.....	A. John Venn B. Netwon C. Arthur Cayler D. John Napier
16	If A⊆ B then A - B is equal to	A. A B. B C. ⌀

17	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
18	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}
19	U' = _____	A. U B. A C. A' D. φ
20	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}