Sets and Functions

Sr	Questions	Answers Choice
1	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
2	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. 2³ C. 2⁶ D. 2²
3	The formula of group data of the median is:	A. l + h/f (n/2 -c) B. l +∑fx/∑f x n, C. l + f_m-f₁/2f_m - f₁ - f₂ x n, D. A + ∑fu/∑f x n
4	If A⊆ B then A∪ B = _____	A. A B. B C. ⌀ D. None of these
5	Which of the following is De-Morgan's law?	A. (A∪ B)∪ C = A∪ (B∪ C) B. (A∩B)^C= A^c∪ B^c C. A∪ (B∩ C) = (A∪ B)∩ (A∪ C) D. A∩(B∪ C) = (A∩B) ∪(A∩C)
6	U' = _____	A. U B. A C. A' D. φ
7	If x⊆ A and x∉ b, then { x } is equal to.....	A. A - B B. B - A C. A∩ B D. A^c
8	O - E = ...	A. ⌀ B. O C. E D. Z
9	The set {x/x∈W ^x≤ 101} is.	A. Infinite set B. Sub set C. Null set D. Finite set
10	If x∈ A and x∈ B, then {x} is equal to .	A. A - B B. A^c C. A∩ B D. B^c
11	A histogram is g group/ set of adjacent:	A. squares B. circles C. rectangle D. cube
12	Power set of an empty set is:	B. {a}
13	If A⊆ B then A - B is equal to	A. A B. B C. ⌀
14	The point (-5,-7) lies in ..... quadrant.	A. I B. II C. III D. IV
15	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.

16	W - N = ...	A. ⌀ B. {⌀} C. N D. W
17	If A is subset of U, then $(A^{C})^{C}$=	A. A B. A^c C. U^c D. ⌀
18	If A ={0,1,2}, B={2,3,4,5} , then A∪B are:	A. Empty sets B. Equal sets C. Overlapping sets D. Disjoint set
19	if A∩ b =⌀, then set A and B are .....sets.	A. sub B. over kaooubg C. Disjoint D. Power
20	The geometric mean of the a observations 2,4,8, is:	A. 2 B. 8 C. 4 D. no geometric mean