Sets and Functions

Sr	Questions	Answers Choice
1	Number of elements in power set of {1,2,3}	A. 4 B. 6 C. 8 D. 9
2	Point (-1,4) , lies in the quadrant.	A. I B. II C. III D. IV
3	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
4	A set Q = {a/b} a, b∈ Z ^ b≠ 0} is called a set of.	A. Whole numbers B. Natural number C. Irrational numbers D. Rational numbers
5	O∩ E = ...	A. ∅ B. O C. E D. Z
6	If number of elements in set, A is 3 and in set B is 2 then number of binary relations in A x B is:	A. 2³ B. 2⁶ C. 2⁸ D. 2²
7	The relation {(a,b),(b,c),(a,d)} is.....	A. A function B. Not a function C. Range D. Domain
8	Point (-1, 4) lies in the quadrant:	A. I B. II C. III D. IV
9	the set {0,±**1**,±2,±3,.....} is:	A. Set of natural numbers B. Set of whole numbers C. Set of prime numbers D. Set of integers
10	The set having only one element is called.	A. Null set B. Power set C. Singleton set D. Subset
11	Venn diagram was first used by.....	A. John Venn B. Netwon C. Arthur Cayler D. John Napier
12	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}
13	Which of the following is commutative law?	A. A∪ (B ∪ C) = (A∪ B)∪ C B. A∩ (B∩C)= (A∩B)∩C C. A∪ B = B ∩ A D. (A ∪ b)^c = A^c ∩ B^c
14	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}
15	The number of elements of the power set {a,b} are.	A. 1 B. 2 C. 3 D. 4

		D. 4
16	if A∩ b =∅, then set A and B are .....sets.	A. sub B. over kaooubg C. Disjoint D. Power
17	If f: A→ B and range of f= B , then f is an.....	A. into function B. onto function C. bijective function D. function
18	The complement of∅ is.....	A. U B. ∅ C. Impossible D. Union
19	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}
20	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