Sets and Functions

Sr	Questions	Answers Choice
1	The range of {(a,a),(b,b),(c,c) is	A. {a,b} B. {a,b,c} C. {a} D. ⌀
2	O∩ E = ...	A. ⌀ B. O C. E D. Z
3	If variance is equal to 36 then the standard deviation will be:	A. 36 B. 6 C. -6 D. none of these
4	The formula of grouped data of the arithmetic mean is:	A. $\bar{X} = \sum X/n$ B. $\bar{X} = A + \sum fX/\sum X$ C. $\bar{X} = \sum fX/n$ D. $\bar{X} = l + n/f\ (n/2 - c)$
5	x-coordinate of every pint on x-axis is.	A. +ve B. -ve C. zero D. 1
6	A set with no element is called:	A. Subset B. Empty set C. Singleton set D. Super set
7	If union and intersection of two sets are equal then sets are.....sets.	A. Disjoint B. Overlapping C. Equal D. Super
8	If A and B are disjoint sets then AUB is equal to:	A. A B. B D. BUA
9	if A∩ b =⌀, then set A and B are .....sets.	A. sub B. over kaooubg C. Disjoint D. Power
10	If two sets have some elements common but not all are called..... sets	A. Sub B. OVERLAPPING C. Disjoint D. Super
11	Collection of distinct objects.	A. Subset B. Power set C. Set D. None of the
12	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}
13	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}
14	The different number of way to describe a set are.	A. 1 B. 2 C. 3 D. 4
15	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

16	The complement of∪ is.....	A. ∪ B. ∅ C. impossible D. Union
17	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}
18	Point (-1,4) lies in quadrant:	A. I B. II C. III D. IV
19	If x∈ A and x∈ B, then {x} is equal to .	A. A - B B. A^c C. A∩ B D. B^c
20	The harmonic mean of the observation 0,15,12, is:	A. 3.7 B. 7.3 C. 6.7 D. no harmonic mean