

Set and Functions

Sr	Questions	Answers Choice
1	If set A has 3 elements and B has 4 then $A \times B$ haselements.	A. 4 B. 7 C. 3 D. 12
2	Question Image	A. Distributive property of intersection over union B. De-Morgan's law C. Disributive of union D. Distributive property of union over intersection
3	If A is a subset of B and $A = B$, then a is anof B.	A. Universal Set B. Proper Subset C. Improper Subset D. Power Set
4	Question Image	A. f is injective B. f is surjective C. f is bijective D. f is into only
5	The range of $R = \{(1,3),(2,2),(3,1),(4,4)\}$ is	A. {2,3,4} B. {1,2,3} C. {1,2,3,4} D. {1,3,4}
6	If $X = \{a,b,c\}$ then number of element is $X \times X$ are	A. 9 B. 12 C. 14 D. 16
7	The number of elements in power set $\{a,b,c,d\}$ is.	A. 4 B. 8 C. 16 D. 32
8	Question Image	A. U B. A C. A^c D. $\langle \text{span style="font-size:14.0pt;mso-bidi-font-size:11.0pt; line-height:107%;font-family:'Calibri'", sans-serif;mso-ascii-theme-font:minor-latin;mso-fareast-font-family:'Times New Roman'",mso-fareast-theme-font:minor-fareast; mso-hansi-theme-font:minor-latin;mso-bidi-theme-font:minor-latin;mso-ansi-language: EN-US;mso-fareast-language:EN-US;mso-bidi-language:AR-SA">\Phi$
9	Which of the followig is the set of first hundred whole number	A. {1,2,3,.....,100} B. {1,2,3,.....,99} C. {0,1,2,3,.....,100} D. {0,1,2,3,.....,99}
10	Venn diagramis useful only in case of.	A. Univesal set B. Subsets C. Abstract sets D. Concrete sets
11	Question Image	A. associative property of intersection B. Associaive property of Union C. Commutative property of intersection D. Commutative property of Union
12	The differente number of ways to describe a set are.	A. 1 B. 2 C. 3 D. 4

13	The number of elements in a power set $\{a,b\}$ is.	A. 1 B. 2 C. 3 D. 4
14	Which of the following cannot be used as binary operation	A. Division B. Square root C. Multiplication D. Addition
15	If $A=\{0\}$, then $P\{A\}$	A. 2 B. 3 C. 4 D. 8
16	Question Image <input type="text"/>	
17	The set having only one element is called	A. Null set B. Power set C. Subset D. Singleton set
18	Question Image <input type="text"/>	A. Not a function B. onto function C. Into function D. One -one function
19	Which one of them is unary operation.	A. Subtraction B. Multiplication C. Negation D. Addition
20	the sequence 0,1,1,2,3,5,8,13,21..... is known as	A. Fibonacci B. Prime C. Even D. Odd