

## Set and Functions

Sr	Questions	Answers Choice
1	The set havig only one element is called	A. Null set B. Power set C. Subset D. Singleton set
2	A collectionof well -defined distinct objects is called	A. subset B. Power set C. Set D. Venn diagram
3	Point (-1,4) lies is quadrant	A. I B. II C. III D. IV
4	If $f(x) = 2x - 1$ then $f(1) =$	A. 0 B. 1 C. 2 D. 3
5	Ordered pair is written as.	A. x B. y C. (x,y) D. (y,x)
6	If $A = \{1,2,3,4\}$ and $B = \{x,y,z\}$ , then Cartesian product of A and B contains exactly .....element.	A. 13 B. 6 C. 10 D. 12
7	Question Image	A. Distributive property of intersection over union B. De-Morgan's law C. Distributive of union D. Distributive property of union over intersection
8	If A and B are disjoint sets, then $A \cup B$ is equal to	A. A B. B C. $B \cup A$ D. $\Phi$
9	Which of the followig is the set of first hundred whole number	A. $\{1,2,3, \dots, 100\}$ B. $\{1,2,3, \dots, 99\}$ C. $\{0,1,2,3, \dots, 100\}$ D. $\{0,1,2,3, \dots, 99\}$
10	In coordinates (xy), x is known as	A. Abscissa B. Ordinate C. Firs element D. second element
11	if $U = \{1,2,3, \dots, 10\}$ and $A = \{3,4,5\}$ then $A'$ is	A. $\{1,2,3,4\}$ B. $\{3,4,5,6\}$ C. $\{4,5,6,7,8\}$ D. $\{1,2,6,7,8,9,10\}$
12	Question Image	A. $\{1,2,4,5\}$ B. $\{2,3\}$ C. $\{1,3,4,5\}$ D. $\{1,2,3\}$
		A. $\{4\}$

13	Question Image	<p>B. {5}</p> <p>C. {6}</p> <p>D. {&lt;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"&gt;Φ}&lt;/span&gt;</p>
14	Question Image	<p>A. <math>a+1</math></p> <p>B. <math>a^{2 \times 2} - a</math></p> <p>C. <math>a^{2 \times 2} + 2a + 1</math></p> <p>D. <math>a^{2 \times 2} + 1</math></p>
15	Question Image	<p>A. associative property of intersection</p> <p>B. Associaive property of Union</p> <p>C. Commutative property of intersection</p> <p>D. Commutative property of Union</p>
16	Which one of them is unary operatin.	<p>A. Subtraction</p> <p>B. Multiplication</p> <p>C. Negation</p> <p>D. Addition</p>
17	The formula for the Fibonacci sequence is	
18	Numebr of elements in power set of {1,2,3}	<p>A. 4</p> <p>B. 6</p> <p>C. 8</p> <p>D. 9</p>
19	Which of them is the set of all element of U, whcih do not belong to A called.	<p>A. Disjoint Set</p> <p>B. Complement of a Set</p> <p>C. Difference set</p> <p>D. Overlapping sets</p>
20	$A \cup B = B \cup A$ is known as	<p>A. Commutative property of union</p> <p>B. Commutative property of intersection</p> <p>C. Associative property of Union</p> <p>D. Associative property of Intersection</p>