

Mathematics 10th Class English Medium Unit 5 Online Test

Sr	Questions	Answers Choice
1	The relation $\{(1, 2), (2, 3), (3, 3), (3, 4)\}$ is:	A. Onto function B. In to function C. Not a function D. One-one function
2	Point $(-1, 4)$ lies in the quadrant:	A. I B. II C. III D. IV
3	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. $\{1, 3, 4\}$
4	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. $\{2, 3, 4\}$
5	If number of elements in set, A is 3 and in set B is 2 then number of binary relations in $A \times B$ is:	A. $2^{³3}$ B. $2^{<sup>6</sup>}$ C. $2^{⁸}$ D. $2^{²2}$
6	If number of elements in set A is 3 and in set B is 4 then number of elements in $A \times B$ is:	A. 3 B. 4 C. 12 D. 7
7	If A and B are disjoint sets then $A \cup B$ is equal to:	A. A B. B D. BUA
8	The number of elements in power set $\{1, 2, 3\}$:	A. 4 B. 6 C. 8 D. 9
9	Power set of an empty set is:	B. $\{\emptyset\}$
10	The set having only one element is called:	A. Null set B. Power set C. Singleton set D. Subset
11	A set with no element is called:	A. Subset B. Empty set C. Singleton set D. Super set
12	The different number of ways to describe a set are:	A. 1 B. 2 C. 3 D. 4
13	A collection of well-defined distinct object is called:	A. Subset B. Power set C. Set D. None of these
		A. $\{x x \in A\}$ B. $\{x x \in U \text{ and } x \in A\}$

14 $A' = \underline{\hspace{2cm}}$

small; color: rgb(34, 34, 34); > A
C. {x|x<b style="font-family: arial, sans-serif; font-size: small; color: rgb(34, 34, 34);">">U'x= <b style="font-family: arial, sans-serif; font-size: small; color: rgb(34, 34, 34);">A
D. {x|x<b style="font-family: arial, sans-serif; font-size: small; color: rgb(34, 34, 34);">">U'x<b style="font-family: arial, sans-serif; font-size: small; color: rgb(34, 34, 34);">A

15 $(A \cap B)' = \underline{\hspace{2cm}}$

- A. $A' \cup B'$
B. $A' \cap B'$
C. $A \cap B$
D. $A \cup B$