

Sets and Functions

Sr	Questions	Answers Choice
1	$N \cap W = \dots\dots\dots$	A. \emptyset B. $\{\emptyset\}$ C. N D. W
2	if A and B are disjoint sets , then $A \cup B$ is equal to.	A. A B. B C. \emptyset D. $B \cup A$
3	The total of frequency up to an upper class limit or boundary is called:	A. frequency B. class frequency C. cumulative frequency D. relative frequency
4	The complement of U is.....	A. U B. \emptyset C. impossible D. Union
5	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. $\{2, 3, 4\}$
6	Number of elements in power set of $\{1,2,3\}$	A. 4 B. 6 C. 8 D. 9
7	The different number of way to describe a set are.	A. 1 B. 2 C. 3 D. 4
8	If f is a function from A to B, then f is one - one function if:	A. Range $f \neq A$ B. Range $f = B$ C. Dom $f = A$ D. Second element of all ordered pairs contained in f is not repeated.
9	If $x \in A$ and $x \in B$, then $\{x\}$ is equal to .	A. $A - B$ B. $A \cup B$ C. $A \cap B$ D. $B \cup A$
10	If A and B are disjoint sets then $A \cup B$ is equal to:	A. A B. B D. $B \cup A$
11	By definition, which of the following is a set?	A. $\{a,b,c,d\}$ B. $\{1,2,3,2\}$ C. $\{1,m,n,o\}$ D. $\{0,1,2,3,1\}$
12	Venn diagram was first used by.....	A. John Venn B. Netwon C. Arthur Cayler D. John Napier
13	$E - O = \dots\dots\dots$	A. \emptyset B. O C. E D. Z
14	$A \subseteq B$ then $A - B = \dots\dots\dots$	A. A B. B C. \emptyset D. $B - A$
15	If $A = \{1,2,3\}$, $B = \{4,5\}$ and $R = \{(1,4),(2,5),(3,4)\}$ then R is _____	A. One - one function from A to B B. A function A to B C. Not a funtion D. An onto function from A to B

16	Which of the following is distributive property intersection over union?	<p>A. $A \cup (B \cap C) = (A \cup B) \cap C$</p> <p>B. $A \cap (B \cap C) = (A \cap B) \cap C$</p> <p>C. $A \cup (B \cap C) = (A \cup B) \cap (A \cup C)$</p> <p>D. $A \cap (B \cup C) = (A \cap B) \cup (A \cap C)$</p>
17	The geometric mean of the a observations 2,4,8, is:	<p>A. 2</p> <p>B. 8</p> <p>C. 4</p> <p>D. no geometric mean</p>
18	The formula of group data of the median is:	<p>A. $l + h/f (n/2 - c)$</p> <p>B. $l + \sum f_i / \sum f_i x_n$,</p> <p>C. $l + f_{<sub>m</sub>} - f_{<sub>1</sub>} / 2f_{<sub>m</sub>} - f_{<sub>1</sub>} - f_{<sub>2</sub>} x_n$,</p> <p>D. $A + \sum f_i / \sum f_i x_n$</p>
19	The point (-5,-7) lies in quadrant.	<p>A. I</p> <p>B. II</p> <p>C. III</p> <p>D. IV</p>
20	x-coordinate of every pint on x-axis is.	<p>A. +ve</p> <p>B. -ve</p> <p>C. zero</p> <p>D. 1</p>