

Sets and Functions

Sr	Questions	Answers Choice
1	Coding formula of group data of the arithmetic mean is:	A. $\bar{X} = \frac{\sum fX}{\sum f}$ B. $\bar{X} = \frac{\sum fD}{\sum f}$ C. $\bar{X} = A + \frac{\sum fu}{\sum f} \times h$ D. $\bar{X} = A + \frac{\sum fu}{\sum f}$
2	Which of the following is true?	A. $W \subseteq N$ B. $Z \subseteq W$ C. $N \subseteq P$ D. $P \subseteq W$
3	$A \subseteq B$ then $A - B =$ _____	A. A B. B C. \emptyset D. $B - A$
4	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
5	Venn diagram was first used by.....	A. John Venn B. Netwon C. Arthur Cayler D. John Napier
6	$N \cap W =$	A. \emptyset B. $\{\emptyset\}$ C. N D. W
7	Point $(-1, 4)$, lies in the quadrant.	A. I B. II C. III D. IV
8	x-coordinate of every pint on x-axis is.	A. +ve B. -ve C. zero D. 1
9	By definition, which of the following is a set?	A. $\{a, b, c, d\}$ B. $\{1, 2, 3, 2\}$ C. $\{l, m, n, o\}$ D. $\{0, 1, 2, 3, 1\}$
10	$(A \cup B) \cup C$ is equal to	A. $A \cap (B \cup C)$ B. $(A \cup B) \cap C$ C. $A \cup (B \cup C)$ D. $A \cap (B \cap C)$
11	If $B = \{1, 2, 100\}$ and $C = \{2, 100\}$, then $B \cap C =$ _____	A. $\{1, 2\}$ B. $\{1, 2, 100\}$ C. $\{2\}$ D. $\{2, 1\}$
12	If union and intersection of two sets are equal then sets are.....sets.	A. Disjoint B. Overlapping C. Equal D. Super
13	The formula of grouped data of the arithmetic mean is:	A. $\bar{X} = \frac{\sum X}{n}$ B. $\bar{X} = A + \frac{\sum fX}{\sum X}$ C. $\bar{X} = \frac{\sum fX}{n}$ D. $\bar{X} = l + \frac{n}{f} (n/2 - c)$
14	When the number of observations of a set of data is even then the median formula is:	
15	If set has 3 and B has 2 elements then number binary relations of $A \times B$.	A. 2^2 B. 2^8 C. 2^6 D. 2^3

16	The point (-5,-7) lies in quadrant.	B. II C. III D. IV
17	$A \cup (B \cap C) =$ _____	A. $(A \cup B) \cap (A \cup C)$ B. $A \cap (B \cap C)$ C. $(A \cap B) \cup (A \cap C)$ D. $A \cup (B \cup C)$
18	The number of elements in power set {1,2,3}:	A. 4 B. 6 C. 8 D. 9
19	If $A \subseteq B$ and $B \subseteq a$, then	A. $A = B$ B. $A \neq B$ C. $A \cap B = \emptyset$ D. $A \cup B = \emptyset$
20	y co-ordinate of every pint on x-axis is.	A. +ve B. -Ve C. zero D. 1