

General Maths - 9th Class General Mathematics English Medium Chapter 8 Preparation

Q1. What is Universal Set?

Ans 1: If there are some sets under consideration, there happens to be a set, which is super set of each one of the given sets such set is called the universal set. It is denoted by 'U'.

Q2.

Ans 1:

Q3. What is Difference of two Sets?

Ans 1: If A and B are two non-empty sets, then A difference B is the set of all the elements of set A which are not present in B, symbolically it is written as $A - B$ or A/B .

Q4.

Ans 1:

Q5. Write Set of Even Numbers?

Ans 1: Set of even numbers is denoted by 'E' is $E = \{2, 4, 6, 8, \dots\}$.

Q6. What is Function?

Ans 1: Any binary "f" between two non-empty sets A and B such that: 1. Domain $f = A$ 2. There should be no repetition in the first element of ordered pairs contained in f. Then "f" is called function from A to B.

Q7.

Ans 1:

Q8. Write Set of Odd Numbers?

Ans 1: Set of odd numbers is denoted by 'O' is $O = \{1, 3, 5, \dots\}$.

Q9. Write Set of Whole Numbers?

Ans 1: Set of whole numbers is denoted by 'W' is $W = \{0, 1, 2, 3, \dots\}$.

Q10. Write Properties of Union Set?

Ans 1: There are two properties of unions of sets.

1. Commutative Law
2. Associated Law

Ans 2: Commutative Law: For any two sets A, B and C, $A \cup B = B \cup A$

Ans 3: Associated Law: For any two sets A, B and C, $(A \cup B) \cup C = A \cup (B \cup C)$.
