

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

Q1. Write Set of Odd Numbers?

**Ans 1:** Set of odd numbers is donated by 'O' is  $O=\{0,1,3,5,\dots\}$ .

Q2. Write Set of Whole Numbers?

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

Q3. What is Union of Sets?

**Ans 1:** If A and B are two non-empty sets.then the union of A and B means the set of all those elements which are either present in A or B or in both.it is donated by  $A \cup B$  .

Q4.

**Ans 1:**

Q5. Write Set of Prime Numbers?

**Ans 1:** Set of prime numbers is donated by 'P' is  $P=\{2,3,5,7,11,13,\dots\}$ .

Q6.

**Ans 1:**

Q7. What is Complement of a Set?

**Ans 1:** Let A be sub-set of universal set U,then the complement of A with respect to U ,donated by  $A'$  or  $U-A$  or  $A_c$  is the set of all those elements of U.which are not in A.  $A_c=U-A$

Q8. 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 and A,B and C,,  $A \cup B = B \cup A$

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

---

Q9. What is Function?

**Ans 1:** Any binary "f" between two non empty set A and B such that: 1.Domain  $f \subseteq A$  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.

---

Q10. Write Set of Even Numbers?

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

---