Maths (New Book) - 10th Class Mathematics English Medium Chapter 5 Preparation

Q1. What is a set ?

Ans 1: A set is a well-defined collection of distinct objects and it is denoted by capital letters A, B and C etc.

Q2. If U = {1,2,3.....10} and A = {2, 4, 6, 8} then find A'.

Ans 1: A' = U - A = {1, 2, 3, ...10} - {2, 4, 6, 8} = {1, 3, 5, 7, 9, 10}

Q3. What is cartesian product ?

Ans 1:

Q4. Why (3, 2) is different from (2, 3) ?

Ans 1:

Q5. Write distributive property of union over intersection.

Ans 1:

Q6. Define domain and co-domain of f.

Ans 1:

Q7. Write the set of all integers.

Ans 1:

Q8. Define a bijective function.

Ans 1:

Q9. What is one to one correspondence or bijective function ?

Ans 1:

Q10. Write the set of whole numbers.

Ans 1: Set of whole numbers = {0, 1, 2, 3, 4, ...} It is denoted by W.