

Venn Diagram

A Venn diagram is a pictorial representation of sets which are used to show relationship between sets and operations on them.

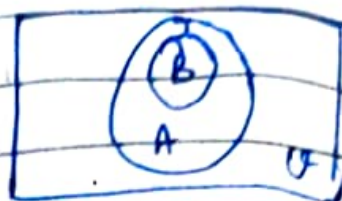
Set operation

Symbol

Venn Diagram

1) Set B is a proper subset of A

$B \subset A$



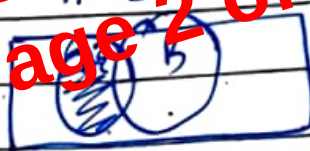
2) The complement of set A

A'



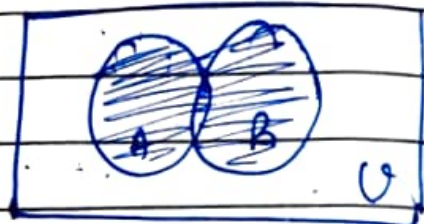
3) Difference of set A and B

$A - B$



4) Union of sets A & B

$A \cup B$



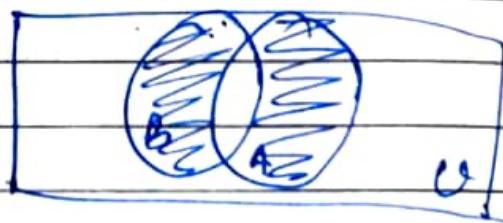
5) Intersection of set A & B

$A \cap B$



6) Symmetric difference

$A \oplus B$ or $A \Delta B$



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Page 2 of 9