

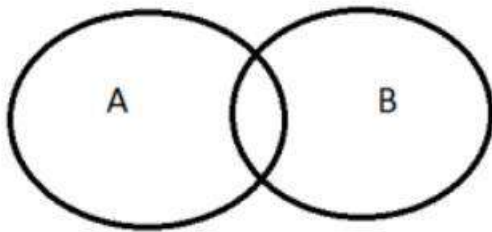


Syllogism

The first step is to make a Venn diagram. Second step is deriving the conclusion. Let's go to all possible concepts.

(Concepts = Statements)

CONCEPT 1 Some A is B.

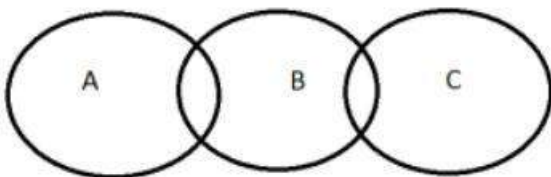


The Diagram for Some A is B is

The possible conclusions are,

- 1) Some A is B
- 2) Some B is A

CONCEPT - 2 - Some A is B and Some B is C



The Diagram is,

Now the Possible Conclusions are,

Between A and B

Some A is B

Some B is A

Between B and C

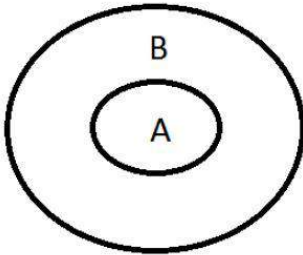
Some B is C

Some C is B

There is no DIRECT CONNECTION between A and C. So it is not possible to derive any conclusion between A and C.



CONCEPT 3 – All A is B



The Diagram is,

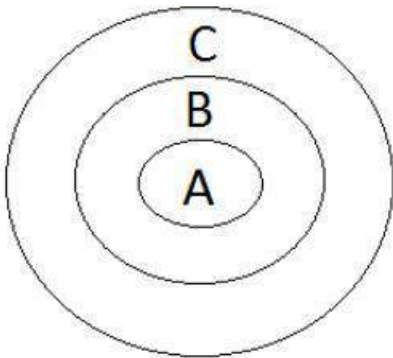
The Conclusions are,

All A is B.

Some A is B.

Some B is A.

CONCEPT 4 – All A is B and All B is C



The Conclusions are,

Between A and B

All A is B.

Some A is B.

Some B is A.

Between B and C

All B is C.

Some B is C.

Some C is B.

Between A and C

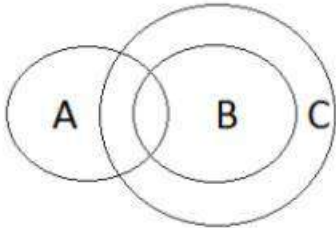
All A is C.

Some A is C.

Some C is A.



Concept 5 – Some A is B. All B is C.



The possible conclusions are,

Between A and B

Some A is B

Some B is A

Between B and C

All B is C

Some B is C

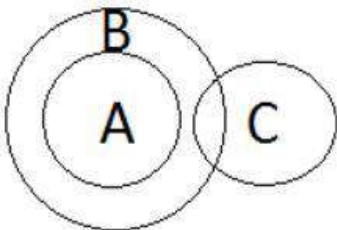
Between A and C

Some A is C

Some C is A

-----Some C is B

Concept 6 – All A is B and Some B is C



The possible conclusions are,

Between A and B

All A is B

Some A is B

Some B is A

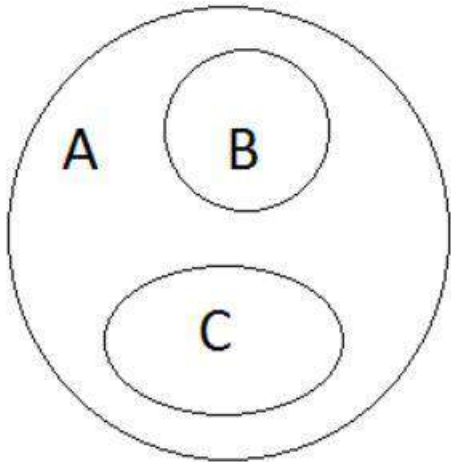
Between B and C

Some B is C

Some C is B

There is no DIRECT CONNECTION between A and C. So it is not possible to derive any conclusion between A and C.

Concept 7 – All B is A and All C is A



The Possible Conclusions are,

Between A and B

All B is A

Some B is A

Some A is B

Between A and C

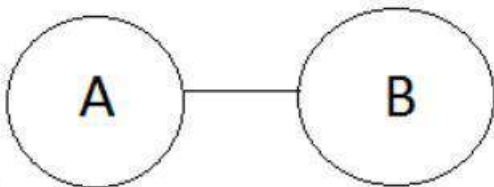
All C is A

Some C is A

Some A is C

There is no DIRECT CONNECTION between B and C. So it is not possible to derive any conclusion between B and C.

Concept 8 - No A is B



The Possible Conclusions are,

No A is B

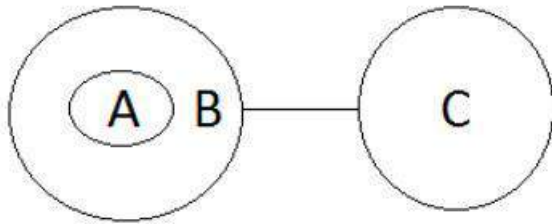
No B is A

Some A is not B

Some B is not A



Concept 9 – All A is B and No B is C



The Possible Conclusions are,

Between A and B

All A is B

Some A is B

Some B is A

Between B and C

No B is C

No C is B

Some B is not C

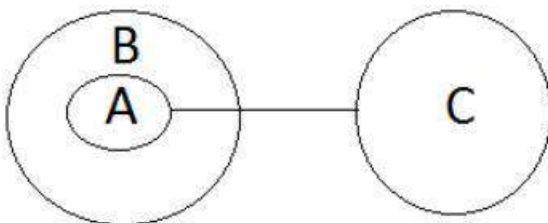
Between A and C

No A is C

Some A is Not C

-----Some C is not B

Concept 10 – All A is B and No A is C



The Possible Conclusions are,

Between A and B

All A is B

Some A is B

Some B is A

Between A and C

No A is C

No C is A

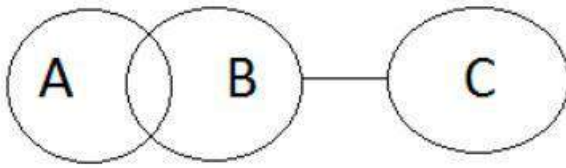
Some A is not C

Between B and C

Some B is not C

-----Some C is not A

Concept 11 – Some A is B; No B is C



The Possible Conclusions are,

Between A and B

Between B and C

Between A and C

Some A is B

No B is C

Some A is not C

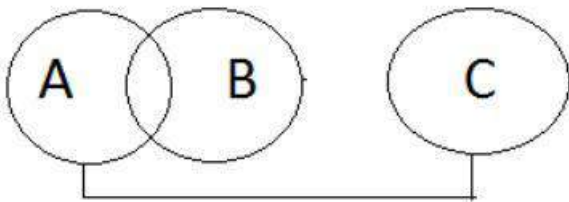
Some B is A

No C is B

-----Some B is not C

-----Some C is not B

Concept 12 – Some A is B; No A is C



The Possible Conclusions are,

Between A and B

Between A and C

Between B and C

Some A is B

No A is C

Some B is not C

Some B is A

No C is A

-----Some A is not C

-----Some C is not A

Note: In all the above, the conclusions are made based on the statements. There in only one case where the conclusions are determined based on the conclusion itself. It is called as Merging Concept.