L3-13/08/2024

- · Nature Physical, Inner (Mind),
 Inner (Study for its
 own sake),
 outer space
- · Precise Formulation of statements having a definite truth value True or False Moreover, every term has a defⁿ.
- . <u>Symbolic</u> Representing nature via symbols & manipulating them.
- · <u>logical</u> Systematic & rigorous application of the principles of logic.

Syllogism

 $(A \Rightarrow B) \land (B \Rightarrow C) \Rightarrow (A \Rightarrow C)$ eg - (Socrates ⇒ Man) A (Man ⇒ Mortal)

⇒ (Socrates ⇒ Mortal)

· Abstraction - Capturing the essence of the situation / problem at hand.

This depends on the problem as well as its aesthetic aspects.

REMARK - 1. Abstraction is the most essential feature of Mathematics.

2. Mathematics can be considered a part of Philosophy.