

Jamshedpur Co-operative College, Jamshedpur

Dept. of Mathematics

Subject Outcomes

Mathematics is the branch of science and study of quality, structure, space and change. Mathematics is seek out pattern and establish truth by deduction from appropriately chosen axioms and definitions.

Today, Mathematics is used throughout the world as an essential tool in many fields, including natural science, engineering, medicine and the social sciences.

Applied Mathematics, the branch of mathematics concerned with application of Mathematical knowledge to application of Mathematical knowledge to other fields, inspires and makes use of new mathematical discoveries and sometimes leads to the development of entirely new disciplines.

Mathematics also engage in pure Mathematics or its own sake, without having any application in mind although practical application for what began as pure math are offer discovered latter.

Math can be broadly grouped into the following two branches:

1. **Pure Mathematics**- Number theory, Algebra, Geometry, Arithmetic, Topology, Mathematical Analysis.
2. **Applied Mathematics**- Calculus, Statistics and Probability, Set theory and Trigonometry.