



Dempo Charities Trust's
DHEMPE COLLEGE OF ARTS & SCIENCE
Miramar, Panaji-Goa

Mathematical Approach to Economics

Course objectives

- To prepare students with quantitative methods required to answer entrance exam in Indian Economic Service
- To enable students to refer research journals and solve the quantitative problems by understanding the applications of the articles

Course contents

- To understand how equations are used in Economics
- Rewrite and solve equations, substitute expressions
- Solve simple linear demand and supply equations to find market equation, carry out cost-volume- profit analysis
- Solve quadratic equations (non-linear curves), Profit maximizing output equations, Exponential functions, Use Logarithms
- Plot and solve equations in Excel

Course outcome

- Students will be able to answer quantitative techniques in various entrance exams.
- Students will be able to use quantitative techniques in research.

