

# **Maths**

# **For Gate**

**Dr. Rajendra Kumar Tripathi**



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**Dr. Rajendra Kumar Tripathi**

# Preface

Over the period of time the GATE examination has become more challenging due to increasing number of candidates. Though every candidate has ability to succeed but competitive environment, in-depth knowledge, quality guidance and good source of study is required to achieve high level goals.

“Maths for GATE” is a book which covers questions from exactly the syllabus required for GATE examination. This book covers the entire syllabus of Engineering Mathematics compulsory portion of GATE for the streams CE, EC, EE, ME, CS/IT etc... The contents of the book are: Linear Algebra, Calculus, Differential Equations, Complex Functions, Probability and Statistics, Numerical Methods, Integral Transforms, etc..

It has been noticed that the currently available books of Maths for GATE are too detailed whereas the GATE syllabus is limited in comparison. In this book we have tried our best to focus exactly on what is required for students in their successful preparation for the GATE examination. Since GATE questions from past 10 years are included after each topics, based on the number as well as difficulty level of the questions asked in past exams.

I have true desire to serve student community by way of providing good source of study and quality guidance. I hope this book will be proved an important tool to succeed in GATE exam. Any suggestions from the readers for the improvement of this book are most welcome.

**Dr. Rajendra Kumar Tripathi**