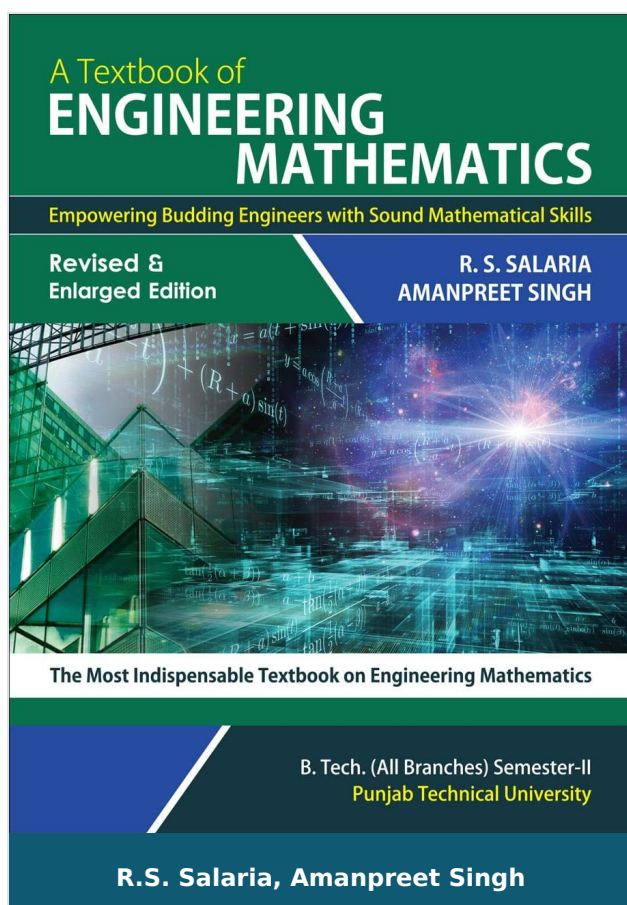




## A Textbook of Engineering Mathematics (PTU-II)

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**ISBN 13 :** 978-93-82609-91-9

**ISBN 10 :** 9382609911

**E-ISBN 13 :** 978-93-82609-91-9

**Edition :** 1

**Pages :** 556

**Type of book :** Physical

**Year :** 2016

**Language :** English

**Publisher :** Khanna Publishing House

**M.R.P :** Rs 350.00

**Categories :** [APPLIED SCIENCES & HUMANITIES, APPLIED SCIENCES & HUMANITIES, Book Store](#)

**Condition Type :** New

**Country Origin :** India

## Product Description

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The subject of Engineering Mathematics is an integral part of the course curriculum of bachelor of Engineering/Technology (BE/B. Tech) Program of All Indian Universities, and is taught in first and/or second semester(s). The present state of teaching and learning of Mathematics is not that encouraging. A lot has to be done on both the fronts.

The book in your hand is a first step of our commitment to uplift the standard of teaching and learning of Mathematics. We assure you that in our continuous journey in this endeavor and with your whole hearted support, we hope to make significant contribution in the teaching and learning of Mathematics. We hope to see that day when we hear from our students that Mathematics is wonderful subject and you all are relishing it.

This book is designed to serve as a textbook for the students of B. Tech. (All Branches) Semester-II of Punjab Technical University, Jalandhar.

While Writing, due care is taken to present the subject matter in a simple and illustrative manner so that a reader can grasp it with quite ease and can built basis and conceptual knowledge in the subject.

## Table Of Contents

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- Useful Formulae, Theorems and Results
- Ordinary Differential Equations of First Order
- Liner Ordinary Differential Equations of Second and Higher Order
- Applications of Differential Equations
- Linear Algebra
- Infinite Series
- Complex Numbers

## Author

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### **R.S. Salaria**

Prof. R.S. Salaria is a superior teacher, a prolific author and a great motivator. He is an alumnus of IIT, Delhi. He is a Certified Software Quality professional by Ministry of Information Technology, Govt. of India: Sun Certified Programmer as well as Sun Certified Trainer by SUN Microsystems. He is a life member of computer society of India, Mumbai: Institution of Electronics and Telecommunication Engineers, New Delhi: Indian Society for Technical Education, New Delhi: Punjab Academy of Sciences, Patiala. Presently, he is talking initiatives to Sensitize the citizens of this great country about their fundamental responsibilities towards society and seeking their contributions to make the society a wonderful place for happy and peaceful living. </p>

### **Amanpreet Singh**

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