ಗಣಿತಶಾಸ್ತ್ರ - I

(ಕಲನಶಾಸ್ತ್ರ ಮತ್ತು ರೇಖಾತ್ಮಕ ಬೀಜಗಣಿತ)

ಕಂಪ್ಯೂಟರ್ ವಿಜ್ಞಾನ ವಿಭಾಗಗಳು ಹೊರತುಪಡಿಸಿ

ಮಾದರಿ ಪಠ್ಯಕ್ರಮದ ಅನುಸಾರ ಎಐಸಿಟಿಇ ಶಿಫಾರಸು ಮಾಡಿರುವ ಪಠ್ಯಪುಸ್ತಕ

ಫಲಿತಾಂಶ ಆಧಾರಿತ ಶಿಕ್ಷಣದೊಂದಿಗೆ ಹೊಂದಿಸಲಾಗಿದೆ   ರಾಷ್ಟ್ರೀಯ ಶಿಕ್ಷಣ ನೀತಿ 2020

ರೀನಾ ಗಾರ್ಗ್

Mathematics I Calculus and Linear Algebra [For Non Computer Science Engineering Branches] (Kannada) UG050KA

Author :	Reena Garg
ISBN 13 :	978-93-91505-45-5
ISBN 10 :	93-91505-45-7
E-ISBN 13 :	978-93-91505-45-5
Edition :	1
Pages :	688
Type of book :	Paperback
Weight (g) :	1000
Year :	2023
Language :	Kannada
Publisher :	Khanna Publishing House
Price :	Rs 600.00
Categories :	AICTE Prescribed Textbooks, All book , Kannada Books
SKU :	1725656140
Condition Type :	New
Country Origin :	India

Product Description

Calculus, Multivariable Calculus and Linear Algebra covers all the Modules prescribed by AICTE. Model curriculum to all the 1st year students (except CSE) studying in engineering institutions and universities of the country. It serves as both text book and / or useful reference work. It contains 5 units which include calculus, matrices, sequences & series and multivariable calculus along with their applications. This renowned and well respected title provides in one handy volume with the essential mathematical tools that helps in understanding the subject and problem solving techniques with many real life engineering applications. As per trademark of AICTE, this book is in student friendly style, author has endeavored enormous efforts in providing numerous solved examples and exercise under each topic to facilitate better understanding of the concepts to the students. Majority of Questions in this book have been designed to success the reader understands of the subject. Professionals or those who are preparing for competitive examinations will also find this book very useful. This book will give the students a complete grasp of the mathematical skills that are needed by engineers all over the country.

Some Salient Features of the Book:

• In depth coverage of all related, essential and mentioned topics as per AICTE in simple presentation with clarity and accuracy.

• Emphasis on the applications of concepts and theorems.

• Core concepts are presented through a large

Table of Contents

About the Book

Calculus, Multivariable Calculus and Linear Algebra covers all the Modules prescribed by AICTE. Model curriculum to all the 1st year students (except CSE) studying in engineering institutions and universities of the country. It serves as both text book and / or useful reference work. It contains 5 units which include calculus, matrices, sequences & series and multivariable calculus along with their applications. This renowned and well respected title provides in one handy volume with the essential mathematical tools that helps in understanding the subject and problem solving techniques with many real life engineering applications. As per trademark of AICTE, this book is in student friendly style, author has endeavored enormous efforts in providing numerous solved examples and exercise under each topic to facilitate better understanding of the concepts to the students. Majority of Questions in this book have been designed to success the reader understands of the subject. Professionals or those who are preparing for competitive examinations will also find this book very useful. This book will give the students a complete grasp of the mathematical skills that are needed by engineers all over the country.

Some Salient Features of the Book:

- In depth coverage of all related, essential and mentioned topics as per AICTE in simple presentation with clarity and accuracy.
- Emphasis on the applications of concepts and theorems.
- Core concepts are presented through a large number of solved graded model examples in an innovative and lucid manner.
- A good number of relatively competitive problems are given at the end of each unit in the form of short questions, HOTS, assignments, MCQs and know more for student's practices purpose. Practical /Projects/ Activity also given in each unit for enhancing the student's capability, to increase the feeling of team work.
- To clarify the subject, the text has been supplemented through Notes, Observations and Remarks; an attempt has been made to explain the topic through maximum use of geometries wherever possible.
- Some standard problems with sufficient hints have been included in each exercise to gauge the student's visual understanding and for grasp the theory.
- Video links, interesting facts, uses of ICT also included after each topic in every unit for easy understanding of the readers. Also included the pictorial representations of many topics for fast and permanent grasping of the content.

Author

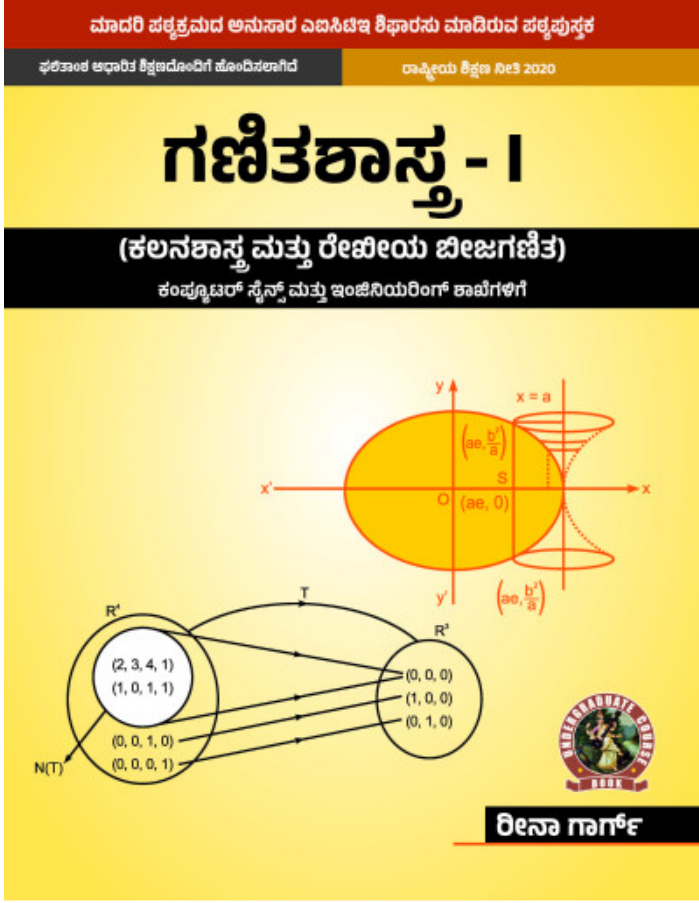- **Reena Garg**

Dr. Reena Garg, M.Sc. Mathematics (Gold Medalist), M.Phil, Ph.D is Assistant Professor (Mathematics) in YMCA University of Science & Technology, Faridabad (Haryana). She also taught in C.I.T.M. Faridabad (presently known as Manav Rachna International University, Faridabad). Her teaching experience of more than a decade has made this book more valuable for the knowledge seekers.She has published more than 10 research papers in various InternationalJournals. She is a life-time member of Forum of Inter-disciplinary mathematics in India. She is a member of reviewer Board in IJRET, Bangalore.

Mathematics I Calculus and Linear Algebra [For Computer Science Engineering Branches] (Kannada) UG051KA

Author :	Reena Garg
ISBN 13 :	978-93-91505-53-0
ISBN 10 :	93-91505-53-8
E-ISBN 13 :	978-93-91505-53-0
Edition :	1
Pages :	504
Type of book :	Paperback
Weight (g) :	800
Year :	2023
Language :	Kannada
Publisher :	Khanna Publishing House
Price :	Rs 600.00
Categories :	AICTE Prescribed Textbooks, All book , Kannada Books
SKU :	1725766984
Condition Type :	New
Country Origin :	India

Product Description

Calculus and Linear Algebra cover all the modules prescribed by AICTE model curriculum to all the 1st year CSE students studying in engineering institutions and universities of the country. It serves as both text book /or useful reference work. It contains 5 units which included calculus, Algebra and vector spaces along with their applications. This renowned and well respected title provides in one handy volume with the essential mathematical tools that help in understanding the subject and problem solving techniques with many real life engineering applications. As per trademark of AICTE. This book is in student's friendly style, author has endeavored enormous efforts in providing numerous solved examples and exercise under each topic to facilitate better understanding of the concepts to the students. Majority of questions in this book have been designed to access the reader's understanding of the subject professionals or those who are preparing for competitive examinations will also find this book very useful. This book will give the students a complete grasp of the mathematical skills that are needed by engineers all over the country.

Some Salient Features of the Book:

- In depth coverage of all related, essential and mentioned topics as per AICTE in simple presentation with clarity and accuracy.

- Emphasis on the applications of concepts and theorems.

- Core concepts are presented through a large number of solved graded

Table of Contents

About the Book

Calculus and Linear Algebra cover all the modules prescribed by AICTE model curriculum to all the 1st year CSE students studying in engineering institutions and universities of the country. It serves as both text book /or useful reference work. It contains 5 units which included calculus, Algebra and vector spaces along with their applications. This renowned and well respected title provides in one handy volume with the essential mathematical tools that help in understanding the subject and problem solving techniques with many real life engineering applications. As per trademark of AICTE. This book is in student's friendly style, author has endeavored enormous efforts in providing numerous solved examples and exercise under each topic to facilitate better understanding of the concepts to the students. Majority of questions in this book have been designed to access the reader's understanding of the subject professionals or those who are preparing for competitive examinations will also find this book very useful. This book will give the students a complete grasp of the mathematical skills that are needed by engineers all over the country.

Some Salient Features of the Book:

- In depth coverage of all related, essential and mentioned topics as per AICTE in simple presentation with clarity and accuracy.
- Emphasis on the applications of concepts and theorems.
- Core concepts are presented through a large number of solved graded model examples in an innovative and lucid manner.
- A good number of relatively competitive problems are given at the end of each unit in the form of short questions, HOTS, assignments, MCQs and know more for student's practices purpose. Practical /Projects/ Activity also given in each unit for enhancing the student's capability, to increase the feeling of team work.
- To clarify the subject, the text has been supplemented through Notes, Observations and Remarks; an attempt has been made to explain the topic through maximum use of geometries wherever possible.
- Some standard problems with sufficient hints have been included in each exercise to gauge the student's visual understanding and for grasp the theory.
- Video links, interesting facts, uses of ICT also included after each topic in every unit for easy understanding of the readers. Also included the pictorial representations of many topics for fast and permanent grasping of the content.
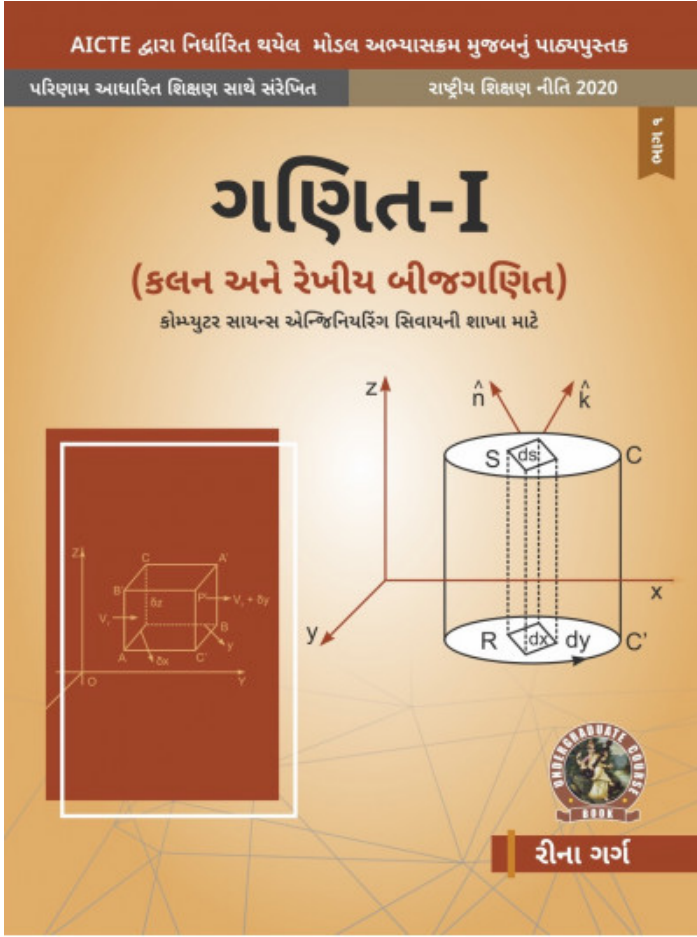
Author

Reena Garg

Dr. Reena Garg, M.Sc. Mathematics (Gold Medalist), M.Phil, Ph.D is Assistant Professor (Mathematics) in YMCA University of Science & Technology, Faridabad (Haryana). She also taught in C.I.T.M. Faridabad (presently known as Manav Rachna International University, Faridabad). Her teaching experience of more than a decade has made this book more valuable for the knowledge seekers.She has published more than 10 research papers in various InternationalJournals. She is a life-time member of Forum of Inter-disciplinary mathematics in India. She is a member of reviewer Board in IJRET, Bangalore.

AICTE દ્વારા નિર્ધારિત થયેલ મોડલ અભ્યાસક્રમ મુજબનું પાઠ્યપુસ્તક

પરિણામ આધારિત શિક્ષણ સાથે સંરેખિત   રાષ્ટ્રીય શિક્ષણ નીતિ 2020

ગણિત-I
(કલન અને રેખીય બીજગણિત)
કોમ્પ્યુટર સાયન્સ એન્જિનિયરિંગ સિવાયની શાખા માટે

રીના ગર્ગ

Mathematics - I Calculus and Linear Algebra [For Non-Computer Science Engineering Branches] (Gujarati)

Author :	Reena Garg
ISBN 13 :	978-93-55381-69-9
ISBN 10 :	93-55381-69-7
E-ISBN 13 :	978-93-55381-69-9
Edition :	First
Pages :	656
Type of book :	Paperback
Year :	2023
Language :	Gujarati
Publisher :	Khanna Publishing House
Price :	Rs 639.00
Categories :	AICTE Prescribed Textbooks, All book , Gujarati Books
SKU :	1725602754
Condition Type :	New
Country Origin :	India

Product Description

Calculus, Multivariable Calculus and Linear Algebra covers all the Modules prescribed by AICTE. Model curriculum to all the 1st year students (except CSE) studying in engineering institutions and universities of the country. It serves as both text book and / or useful reference work. It contains 5 units which include calculus, matrices, sequences & series and multivariable calculus along with their applications. This renowned and well respected title provides in one handy volume with the essential mathematical tools that helps in understanding the subject and problem solving techniques with many real life engineering applications. As per trademark of AICTE, this book is in student friendly style, author has endeavored enormous efforts in providing numerous solved examples and exercise under each topic to facilitate better understanding of the concepts to the students. Majority of Questions in this book have been designed to success the reader understands of the subject. Professionals or those who are preparing for competitive examinations will also find this book very useful. This book will give the students a complete grasp of the mathematical skills that are needed by engineers all over the country.

Some Salient Features of the Book:

• In depth coverage of all related, essential and mentioned topics as per AICTE in simple presentation with clarity and accuracy.

• Emphasis on the applications of concepts and theorems.

•

Table of Contents

About the Book

Calculus, Multivariable Calculus and Linear Algebra covers all the Modules prescribed by AICTE. Model curriculum to all the 1st year students (except CSE) studying in engineering institutions and universities of the country. It serves as both text book and / or useful reference work. It contains 5 units which include calculus, matrices, sequences & series and multivariable calculus along with their applications. This renowned and well respected title provides in one handy volume with the essential mathematical tools that helps in understanding the subject and problem solving techniques with many real life engineering applications. As per trademark of AICTE, this book is in student friendly style, author has endeavored enormous efforts in providing numerous solved examples and exercise under each topic to facilitate better understanding of the concepts to the students. Majority of Questions in this book have been designed to success the reader understands of the subject. Professionals or those who are preparing for competitive examinations will also find this book very useful. This book will give the students a complete grasp of the mathematical skills that are needed by engineers all over the country. **Some Salient Features of the Book:**

- In depth coverage of all related, essential and mentioned topics as per AICTE in simple presentation with clarity and accuracy.
- Emphasis on the applications of concepts and theorems.
- Core concepts are presented through a large number of solved graded model examples in an innovative and lucid manner.
- A good number of relatively competitive problems are given at the end of each unit in the form of short questions, HOTS, assignments, MCQs and know more for student's practices purpose. Practical /Projects/ Activity also given in each unit for enhancing the student's capability, to increase the feeling of team work.
- To clarify the subject, the text has been supplemented through Notes, Observations and Remarks; an attempt has been made to explain the topic through maximum use of geometries wherever possible.
- Some standard problems with sufficient hints have been included in each exercise to gauge the student's visual understanding and for grasp the theory.
- Video links, interesting facts, uses of ICT also included after each topic in every unit for easy understanding of the readers. Also included the pictorial representations of many topics for fast and permanent grasping of the content.

Author
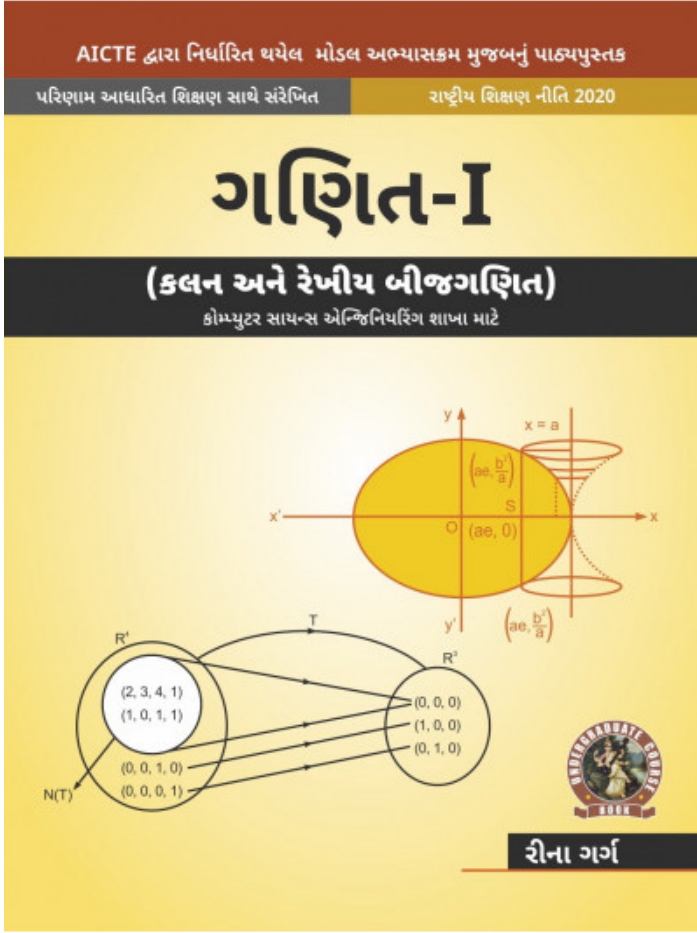
Reena Garg

Dr. Reena Garg, M.Sc. Mathematics (Gold Medalist), M.Phil, Ph.D is Assistant Professor (Mathematics) in YMCA University of Science & Technology, Faridabad (Haryana). She also taught in C.I.T.M. Faridabad (presently known as Manav Rachna International University, Faridabad). Her teaching experience of more than a decade has made this book more valuable for the knowledge seekers.She has published more than 10 research papers in various InternationalJournals. She is a life-time member of Forum of Inter-disciplinary mathematics in India. She is a member of reviewer Board in IJRET, Bangalore.

Mathematics - I Calculus and Linear Algebra [For Computer Science Engineering Branches] (Gujarati)

Author :	Reena Garg
ISBN 13 :	978-93-55381-74-3
ISBN 10 :	93-55381-74-3
E-ISBN 13 :	978-93-55381-74-3
Edition :	First
Pages :	476
Type of book :	Paperback
Year :	2023
Language :	Gujarati
Publisher :	Khanna Publishing House
Price :	Rs 507.00
Categories :	AICTE Prescribed Textbooks, All book , Gujarati Books
SKU :	1725766477
Condition Type :	New
Country Origin :	India

Product Description

Calculus and Linear Algebra cover all the modules prescribed by AICTE model curriculum to all the 1st year CSE students studying in engineering institutions and universities of the country. It serves as both text book /or useful reference work. It contains 5 units which included calculus, Algebra and vector spaces along with their applications. This renowned and well respected title provides in one handy volume with the essential mathematical tools that help in understanding the subject and problem solving techniques with many real life engineering applications. As per trademark of AICTE. This book is in student's friendly style, author has endeavored enormous efforts in providing numerous solved examples and exercise under each topic to facilitate better understanding of the concepts to the students. Majority of questions in this book have been designed to access the reader's understanding of the subject professionals or those who are preparing for competitive examinations will also find this book very useful. This book will give the students a complete grasp of the mathematical skills that are needed by engineers all over the country.

Some Salient Features of the Book:

- In depth coverage of all related, essential and mentioned topics as per AICTE in simple presentation with clarity and accuracy.

- Emphasis on the applications of concepts and theorems.

-

Table of Contents

About the Book

Calculus and Linear Algebra cover all the modules prescribed by AICTE model curriculum to all the 1st year CSE students studying in engineering institutions and universities of the country. It serves as both text book /or useful reference work. It contains 5 units which included calculus, Algebra and vector spaces along with their applications. This renowned and well respected title provides in one handy volume with the essential mathematical tools that help in understanding the subject and problem solving techniques with many real life engineering applications. As per trademark of AICTE. This book is in student's friendly style, author has endeavored enormous efforts in providing numerous solved examples and exercise under each topic to facilitate better understanding of the concepts to the students. Majority of questions in this book have been designed to access the reader's understanding of the subject professionals or those who are preparing for competitive examinations will also find this book very useful. This book will give the students a complete grasp of the mathematical skills that are needed by engineers all over the country.

Some Salient Features of the Book:

- In depth coverage of all related, essential and mentioned topics as per AICTE in simple presentation with clarity and accuracy.
- Emphasis on the applications of concepts and theorems.
- Core concepts are presented through a large number of solved graded model examples in an innovative and lucid manner.
- A good number of relatively competitive problems are given at the end of each unit in the form of short questions, HOTS, assignments, MCQs and know more for student's practices purpose. Practical /Projects/ Activity also given in each unit for enhancing the student's capability, to increase the feeling of team work.
- To clarify the subject, the text has been supplemented through Notes, Observations and Remarks; an attempt has been made to explain the topic through maximum use of geometries wherever possible.
- Some standard problems with sufficient hints have been included in each exercise to gauge the student's visual understanding and for grasp the theory.
- Video links, interesting facts, uses of ICT also included after each topic in every unit for easy understanding of the readers. Also included the pictorial representations of many topics for fast and permanent grasping of the content.)
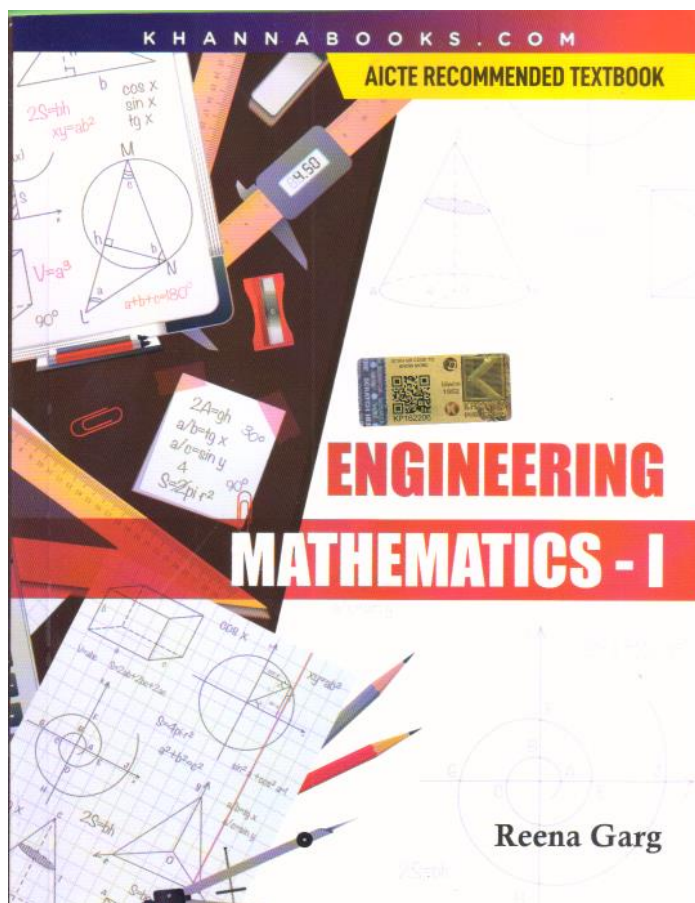
Author

Reena Garg

Dr. Reena Garg, M.Sc. Mathematics (Gold Medalist), M.Phil, Ph.D is Assistant Professor (Mathematics) in YMCA University of Science & Technology, Faridabad (Haryana). She also taught in C.I.T.M. Faridabad (presently known as Manav Rachna International University, Faridabad). Her teaching experience of more than a decade has made this book more valuable for the knowledge seekers.She has published more than 10 research papers in various InternationalJournals. She is a life-time member of Forum of Inter-disciplinary mathematics in India. She is a member of reviewer Board in IJRET, Bangalore.

Engineering Mathematics-I

Author :	Reena Garg
ISBN 13 :	978-93-82609-55-1
ISBN 10 :	93-82609-55-5
E-ISBN 13 :	978-93-82609-55-1
Edition :	First
Pages :	656
Type of book :	Paperback
Weight (g) :	872.00
Year :	2023
Language :	English
Publisher :	Khanna Publishing House
Price :	Rs 360.00
Categories :	All book, Engineering Mathematics, Engineering Mathematics, UNIVERSITY RECOMMENDED
Condition Type :	New
Country Origin :	India

Product Description

This book is designed to meet the complete requirements of Engineering Mathematics course of undergraduate syllabus, The book consists of seven chapters viz. infinite Series, Matrices, Expansion of Functions, Asymptotes, Curvature, Partial Differenciation , Multiple Integrals, Each chapter is treated in treated in systematic,logical and lucid manner, All these chapters are independent units in themselves. The students can go through the book picking up any chapter at any given times, without referring to other chapters, Hints, where ever necessary and answers of the questions in the exercises are given at the end of each exercise, Most of the questions-solved as well as unsolved-have been picked up from the examination papers of different universities and professional examinations, There are fully worked out examples and graded exercises (with answers) aimed at preparing the student for examination as well as higher studies, The authors have illustrated various methods to solve particular problems.

Table of Contents

Author

Reena Garg Dr. Reena Garg, M.Sc. Mathematics (Gold Medalist), M.Phil, Ph.D is Assistant Professor (Mathematics) in YMCA University of Science & Technology, Faridabad (Haryana). She also taught in C.I.T.M. Faridabad (presently known as Manav Rachna International University, Faridabad). Her teaching experience of more than a decade has made this book more valuable for the knowledge seekers.She has published more than 10 research papers in various InternationalJournals. She is a life-time member of Forum of Inter-disciplinary mathematics in India. She is a member of reviewer Board in IJRET, Bangalore.   </p
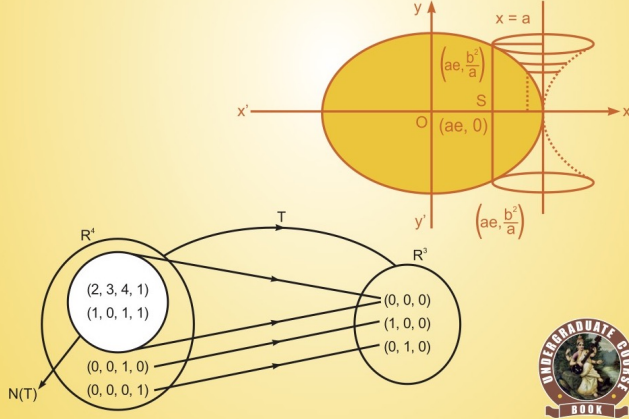
Mathematics - I Calculus and Linear Algebra [For Computer Science Engineering Branches] (Tamil) (UG025TA)

Author :	Reena Garg
ISBN 13 :	978-93-91505-84-4
ISBN 10 :	93-91505-84-8
E-ISBN 13 :	978-93-91505-84-4
Edition :	First
Pages :	476
Type of book :	Paperback
Year :	2022
Language :	Tamil
Publisher :	Khanna Publishing House
Price :	Rs 440.00
Categories :	AICTE Prescribed Textbooks, All book , Tamil Books
Condition Type :	New
Country Origin :	India

Product Description

Calculus and Linear Algebra cover all the modules prescribed by AICTE model curriculum to all the 1st year CSE students studying in engineering institutions and universities of the country. It serves as both text book /or useful reference work. It contains 5 units which included calculus, Algebra and vector spaces along with their applications. This renowned and well respected title provides in one handy volume with the essential mathematical tools that help in understanding the subject and problem solving techniques with many real life engineering applications. As per trademark of AICTE. This book is in student's friendly style, author has endeavored enormous efforts in providing numerous solved examples and exercise under each topic to facilitate better understanding of the concepts to the students. Majority of questions in this book have been designed to access the reader's understanding of the subject professionals or those who are preparing for competitive examinations will also find this book very useful. This book will give the students a complete grasp of the mathematical skills that are needed by engineers all over the country.

Some Salient Features of the Book:

- In depth coverage of all related, essential and mentioned topics as per AICTE in simple presentation with clarity and accuracy.

- Emphasis on the applications of concepts and theorems.

- Core concepts

Table of Contents

Author

Reena Garg Dr. Reena Garg, M.Sc. Mathematics (Gold Medalist), M.Phil, Ph.D is Assistant Professor (Mathematics) in YMCA University of Science & Technology, Faridabad (Haryana). She also taught in C.I.T.M. Faridabad (presently known as Manav Rachna International University, Faridabad). Her teaching experience of more than a decade has made this book more valuable for the knowledge seekers.She has published more than 10 research papers in various InternationalJournals. She is a life-time member of Forum of Inter-disciplinary mathematics in India. She is a member of reviewer Board in IJRET, Bangalore. </p

மாதிரி பாடத்திட்டத்தின்படி AICTE - ஆல் பரிந்துரைக்கப்பட்ட பாடப்புத்தகம்

வெளிப்பாடு அஅடிப்படையிலான கல்வியின்படி வடிவமைக்கப்பட்டு தேசிய கல்விக் கொள்கை 2020

கணிதம்-I

(நுண்கணிதம் மற்றும் நேரியல் இயற்கணிதம்)

கணினி அறிவியல் அல்லாத பொறியியல் கிளைகளுக்
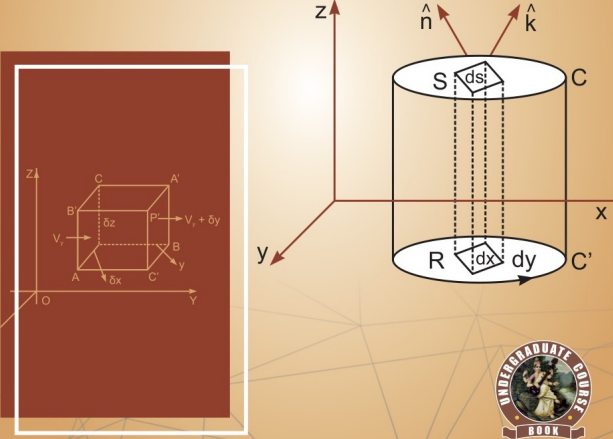
ரீனா கார்க்

Mathematics - I Calculus and Linear Algebra [For Non-Computer Science Engineering Branches] (Tamil) (UG024TA)

Author :	Reena Garg
ISBN 13 :	978-93-91505-83-7
ISBN 10 :	93-91505-83-X
E-ISBN 13 :	978-93-91505-83-7
Edition :	First
Pages :	652
Type of book :	Paperback
Year :	2022
Language :	Tamil
Publisher :	Khanna Publishing House
Price :	Rs 596.00
Categories :	AICTE Prescribed Textbooks, All book , Tamil Books
Condition Type :	New
Country Origin :	India

Product Description

Calculus, Multivariable Calculus and Linear Algebra covers all the Modules prescribed by AICTE. Model curriculum to all the 1st year students (except CSE) studying in engineering institutions and universities of the country. It serves as both text book and / or useful reference work. It contains 5 units which include calculus, matrices, sequences & series and multivariable calculus along with their applications. This renowned and well respected title provides in one handy volume with the essential mathematical tools that helps in understanding the subject and problem solving techniques with many real life engineering applications. As per trademark of AICTE, this book is in student friendly style, author has endeavored enormous efforts in providing numerous solved examples and exercise under each topic to facilitate better understanding of the concepts to the students. Majority of Questions in this book have been designed to success the reader understands of the subject. Professionals or those who are preparing for competitive examinations will also find this book very useful. This book will give the students a complete grasp of the mathematical skills that are needed by engineers all over the country.

Some Salient Features of the Book:

• In depth coverage of all related, essential and mentioned topics as per AICTE in simple presentation with clarity and accuracy.

• Emphasis on the applications of concepts and theorems.

• Core concepts are presented through a large

Table of Contents

Author

Reena Garg Dr. Reena Garg, M.Sc. Mathematics (Gold Medalist), M.Phil, Ph.D is Assistant Professor (Mathematics) in YMCA University of Science & Technology, Faridabad (Haryana). She also taught in C.I.T.M. Faridabad (presently known as Manav Rachna International University, Faridabad). Her teaching experience of more than a decade has made this book more valuable for the knowledge seekers.She has published more than 10 research papers in various InternationalJournals. She is a life-time member of Forum of Inter-disciplinary mathematics in India. She is a member of reviewer Board in IJRET, Bangalore. </p

Mathematics-I – Calculus and Linear Algebra (For Non Computer Science) (Marathi)

Author :	Reena Garg
ISBN 13 :	978-93-55380-37-1
ISBN 10 :	93-55380-37-2
E-ISBN 13 :	978-93-55380-37-1
Edition :	First
Pages :	696
Type of book :	Paperback
Year :	2022
Language :	Marathi
Publisher :	Khanna Publishing House
Price :	Rs 620.00
Categories :	AICTE Prescribed Textbooks, All book , Marathi Books
Condition Type :	New
Country Origin :	India

Product Description

Calculus, Multivariable Calculus and Linear Algebra covers all the Modules prescribed by AICTE. Model curriculum to all the 1st year students (except CSE) studying in engineering institutions and universities of the country. It serves as both text book and / or useful reference work. It contains 5 units which include calculus, matrices, sequences & series and multivariable calculus along with their applications. This renowned and well respected title provides in one handy volume with the essential mathematical tools that helps in understanding the subject and problem solving techniques with many real life engineering applications. As per trademark of AICTE, this book is in student friendly style, author has endeavored enormous efforts in providing numerous solved examples and exercise under each topic to facilitate better understanding of the concepts to the students. Majority of Questions in this book have been designed to success the reader understands of the subject. Professionals or those who are preparing for competitive examinations will also find this book very useful. This book will give the students a complete grasp of the mathematical skills that are needed by engineers all over the country.

Some Salient Features of the Book:

• In depth coverage of all related, essential and mentioned topics as per AICTE in simple presentation with clarity and accuracy.

• Emphasis on the applications of concepts and theorems.

•

Table of Contents

Author

Reena Garg Dr. Reena Garg, M.Sc. Mathematics (Gold Medalist), M.Phil, Ph.D is Assistant Professor (Mathematics) in YMCA University of Science & Technology, Faridabad (Haryana). She also taught in C.I.T.M. Faridabad (presently known as Manav Rachna International University, Faridabad). Her teaching experience of more than a decade has made this book more valuable for the knowledge seekers.She has published more than 10 research papers in various InternationalJournals. She is a life-time member of Forum of Inter-disciplinary mathematics in India. She is a member of reviewer Board in IJRET, Bangalore. </p

AICTE PRESCRIBED TEXTBOOK AS PER MODEL CURRICULUM

Aligned with Outcome Based Education   National Education Policy 2020

MATHEMATICS - I
(Calculus and Linear Algebra)
For Computer Science Engineering Branches

Reena Garg

Mathematics I Calculus and Linear Algebra [For Computer Science Engineering Branches] (English)

Author :	Reena Garg
ISBN 13 :	978-93-91505-27-1
ISBN 10 :	93-91505-27-9
E-ISBN 13 :	978-93-91505-27-1
Edition :	First
Pages :	412
Type of book :	Paperback
Year :	2024
Language :	English
Publisher :	Khanna Publishing House
Price :	Rs 360.00
Categories :	AICTE Prescribed Textbooks, All book , English Books
Condition Type :	New
Country Origin :	India

Product Description

Calculus and Linear Algebra cover all the modules prescribed by AICTE model curriculum to all the 1st year CSE students studying in engineering institutions and universities of the country. It serves as both text book /or useful reference work. It contains 5 units which included calculus, Algebra and vector spaces along with their applications. This renowned and well respected title provides in one handy volume with the essential mathematical tools that help in understanding the subject and problem solving techniques with many real life engineering applications. As per trademark of AICTE. This book is in student's friendly style, author has endeavored enormous efforts in providing numerous solved examples and exercise under each topic to facilitate better understanding of the concepts to the students. Majority of questions in this book have been designed to access the reader's understanding of the subject professionals or those who are preparing for competitive examinations will also find this book very useful. This book will give the students a complete grasp of the mathematical skills that are needed by engineers all over the country.

Some Salient Features of the Book:

• In depth coverage of all related, essential and mentioned topics as per AICTE in simple presentation with clarity and accuracy.

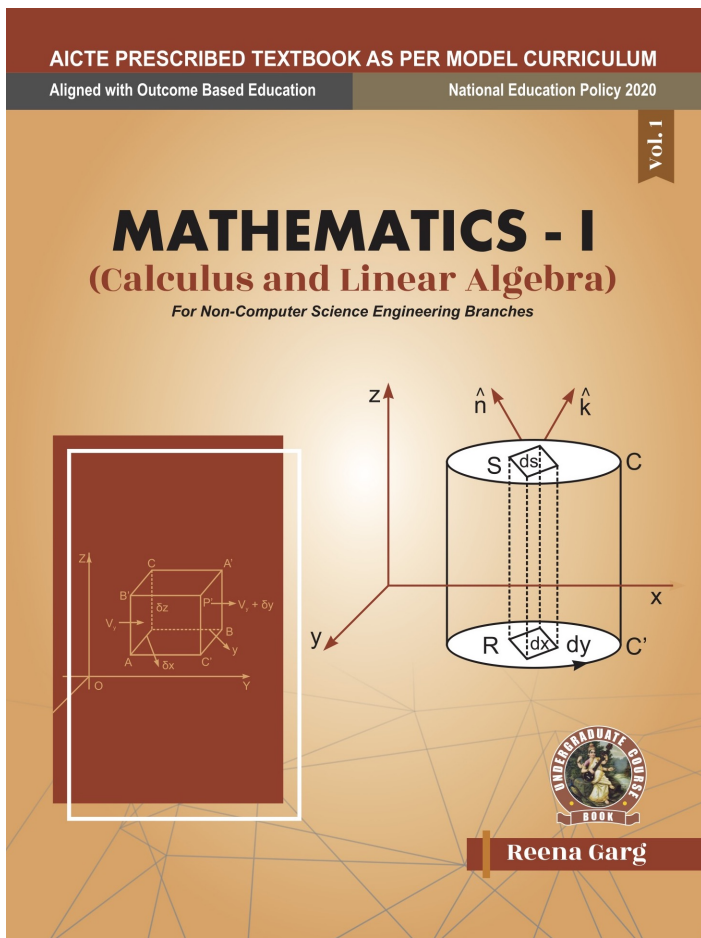• Emphasis on the applications of concepts and theorems.

Table of Contents

Author

Reena Garg Dr. Reena Garg, M.Sc. Mathematics (Gold Medalist), M.Phil, Ph.D is Assistant Professor (Mathematics) in YMCA University of Science & Technology, Faridabad (Haryana). She also taught in C.I.T.M. Faridabad (presently known as Manav Rachna International University, Faridabad). Her teaching experience of more than a decade has made this book more valuable for the knowledge seekers.She has published more than 10 research papers in various InternationalJournals. She is a life-time member of Forum of Inter-disciplinary mathematics in India. She is a member of reviewer Board in IJRET, Bangalore.   </p

AICTE PRESCRIBED TEXTBOOK AS PER MODEL CURRICULUM

Aligned with Outcome Based Education   National Education Policy 2020

Vol. 1

MATHEMATICS - I
(Calculus and Linear Algebra)
For Non-Computer Science Engineering Branches

UNDERGRADUATE COURSE BOOK

Reena Garg

Mathematics I Calculus and Linear Algebra [For Non Computer Science Engineering Branches] (English)

Author :	Reena Garg
ISBN 13 :	978-93-91505-17-2
ISBN 10 :	93-91505-17-1
E-ISBN 13 :	978-93-91505-17-2
Edition :	First
Pages :	596
Type of book :	Paperback
Year :	2022
Language :	English
Publisher :	Khanna Publishing House
Price :	Rs 520.00
Categories :	AICTE Prescribed Textbooks, All book , English Books
Condition Type :	New
Country Origin :	India

Product Description

Calculus, Multivariable Calculus and Linear Algebra covers all the Modules prescribed by AICTE. Model curriculum to all the 1st year students (except CSE) studying in engineering institutions and universities of the country. It serves as both text book and / or useful reference work. It contains 5 units which include calculus, matrices, sequences & series and multivariable calculus along with their applications. This renowned and well respected title provides in one handy volume with the essential mathematical tools that helps in understanding the subject and problem solving techniques with many real life engineering applications. As per trademark of AICTE, this book is in student friendly style, author has endeavored enormous efforts in providing numerous solved examples and exercise under each topic to facilitate better understanding of the concepts to the students. Majority of Questions in this book have been designed to success the reader understands of the subject. Professionals or those who are preparing for competitive examinations will also find this book very useful. This book will give the students a complete grasp of the mathematical skills that are needed by engineers all over the country.

Some Salient Features of the Book:

- In depth coverage of all related, essential and mentioned topics as per AICTE in simple presentation with clarity and accuracy.

- Emphasis on the applications of concepts and theorems.

-

Table of Contents

Author

Reena Garg Dr. Reena Garg, M.Sc. Mathematics (Gold Medalist), M.Phil, Ph.D is Assistant Professor (Mathematics) in YMCA University of Science & Technology, Faridabad (Haryana). She also taught in C.I.T.M. Faridabad (presently known as Manav Rachna International University, Faridabad). Her teaching experience of more than a decade has made this book more valuable for the knowledge seekers.She has published more than 10 research papers in various InternationalJournals. She is a life-time member of Forum of Inter-disciplinary mathematics in India. She is a member of reviewer Board in IJRET, Bangalore. </p

Mathematics I Calculus and Linear Algebra [For Computer Science Engineering Branches] (Marathi)

AICTE विहित पाठ्यपुस्तक आदर्श अभ्यास क्रमानुसार
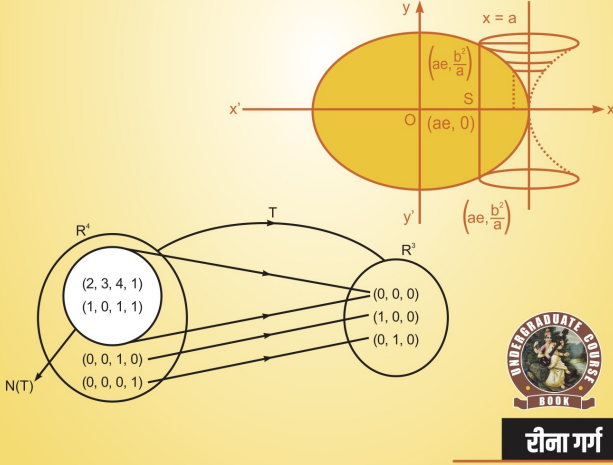
परिणाम आधारित शिक्षणाशी सुसंगत

राष्ट्रीय शैक्षणिक धोरण 2020

गणित - I

(कॅलकुलस आणि लिनियर अलजेब्रा)

संगणक विज्ञान आणि अभियांत्रिकी शाखांसाठी

रीना गर्ग

Author :	Reena Garg
ISBN 13 :	978-93-55380-38-8
ISBN 10 :	93-55380-38-0
E-ISBN 13 :	978-93-55380-38-8
Edition :	First
Pages :	432
Type of book :	Paperback
Weight (g) :	590.00
Year :	2022
Language :	Marathi
Publisher :	Khanna Publishing House
Price :	Rs 398.00
Categories :	AICTE Prescribed Textbooks, All book , Marathi Books
Condition Type :	New
Country Origin :	India

Product Description

Calculus and Linear Algebra cover all the modules prescribed by AICTE model curriculum to all the 1st year CSE students studying in engineering institutions and universities of the country. It serves as both text book /or useful reference work. It contains 5 units which included calculus, Algebra and vector spaces along with their applications. This renowned and well respected title provides in one handy volume with the essential mathematical tools that help in understanding the subject and problem solving techniques with many real life engineering applications. As per trademark of AICTE. This book is in student's friendly style, author has endeavored enormous efforts in providing numerous solved examples and exercise under each topic to facilitate better understanding of the concepts to the students. Majority of questions in this book have been designed to access the reader's understanding of the subject professionals or those who are preparing for competitive examinations will also find this book very useful. This book will give the students a complete grasp of the mathematical skills that are needed by engineers all over the country.

Some Salient Features of the Book:

• In depth coverage of all related, essential and mentioned topics as per AICTE in simple presentation with clarity and accuracy.

• Emphasis on the applications of concepts and theorems.

Table of Contents

Author

Reena Garg Dr. Reena Garg, M.Sc. Mathematics (Gold Medalist), M.Phil, Ph.D is Assistant Professor (Mathematics) in YMCA University of Science & Technology, Faridabad (Haryana). She also taught in C.I.T.M. Faridabad (presently known as Manav Rachna International University, Faridabad). Her teaching experience of more than a decade has made this book more valuable for the knowledge seekers.She has published more than 10 research papers in various InternationalJournals. She is a life-time member of Forum of Inter-disciplinary mathematics in India. She is a member of reviewer Board in IJRET, Bangalore. </p

Mathematics I Calculus and Linear Algebra [For Computer Science Engineering Branches] (Hindi)

Author :	Reena Garg
ISBN 13 :	978-93-55381-65-1
ISBN 10 :	93-55381-65-4
E-ISBN 13 :	978-93-55381-65-1
Edition :	First
Pages :	440
Type of book :	Paperback
Weight (g) :	605.00
Year :	2023
Language :	Hindi
Publisher :	Khanna Publishing House
Price :	Rs 398.00
Categories :	AICTE Prescribed Textbooks, All book , Hindi Books
Condition Type :	New
Country Origin :	India

Product Description

Calculus and Linear Algebra cover all the modules prescribed by AICTE model curriculum to all the 1st year CSE students studying in engineering institutions and universities of the country. It serves as both text book /or useful reference work. It contains 5 units which included calculus, Algebra and vector spaces along with their applications. This renowned and well respected title provides in one handy volume with the essential mathematical tools that help in understanding the subject and problem solving techniques with many real life engineering applications. As per trademark of AICTE. This book is in student's friendly style, author has endeavored enormous efforts in providing numerous solved examples and exercise under each topic to facilitate better understanding of the concepts to the students. Majority of questions in this book have been designed to access the reader's understanding of the subject professionals or those who are preparing for competitive examinations will also find this book very useful. This book will give the students a complete grasp of the mathematical skills that are needed by engineers all over the country.

Some Salient Features of the Book:

• In depth coverage of all related, essential and mentioned topics as per AICTE in simple presentation with clarity and accuracy.

• Emphasis on the applications of concepts and theorems.

Table of Contents

Author

Reena Garg Dr. Reena Garg, M.Sc. Mathematics (Gold Medalist), M.Phil, Ph.D is Assistant Professor (Mathematics) in YMCA University of Science & Technology, Faridabad (Haryana). She also taught in C.I.T.M. Faridabad (presently known as Manav Rachna International University, Faridabad). Her teaching experience of more than a decade has made this book more valuable for the knowledge seekers.She has published more than 10 research papers in various InternationalJournals. She is a life-time member of Forum of Inter-disciplinary mathematics in India. She is a member of reviewer Board in IJRET, Bangalore. </p

AICTE अनुशंसित पाठ्यपुस्तक - मॉडल पाठ्यक्रम के अनुसार
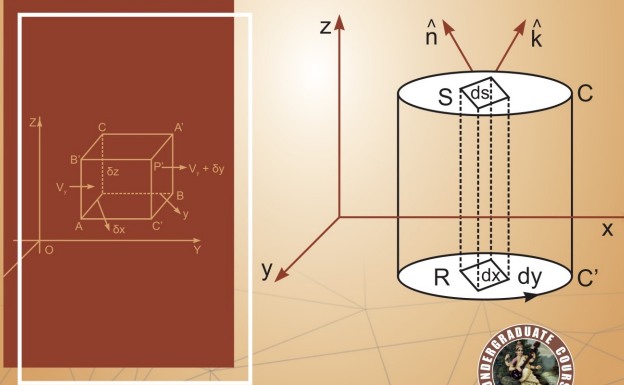
परिणाम आधारित शिक्षा के साथ संरेखित

राष्ट्रीय शिक्षा नीति 2020

Vol. 1

गणित–I
(कलन एवं रैखिक बीजगणित)

कंप्यूटर विज्ञान एवं इंजीनियरिंग ब्रांच के अतिरिक्त

UNDERGRADUATE COURSE BOOK

रीना गर्ग

Mathematics I Calculus and Linear Algebra [For Non Computer Science Engineering Branches] (Hindi)

Author :	Reena Garg
ISBN 13 :	978-93-55381-57-6
ISBN 10 :	93-55381-57-3
E-ISBN 13 :	978-93-55381-57-6
Edition :	First
Pages :	632
Type of book :	Paperback
Weight (g) :	845.00
Year :	2023
Language :	Hindi
Publisher :	Khanna Publishing House
Price :	Rs 558.00
Categories :	AICTE Prescribed Textbooks, All book , Hindi Books
Condition Type :	New
Country Origin :	India

Product Description

Calculus, Multivariable Calculus and Linear Algebra covers all the Modules prescribed by AICTE. Model curriculum to all the 1st year students (except CSE) studying in engineering institutions and universities of the country. It serves as both text book and / or useful reference work. It contains 5 units which include calculus, matrices, sequences & series and multivariable calculus along with their applications. This renowned and well respected title provides in one handy volume with the essential mathematical tools that helps in understanding the subject and problem solving techniques with many real life engineering applications. As per trademark of AICTE, this book is in student friendly style, author has endeavored enormous efforts in providing numerous solved examples and exercise under each topic to facilitate better understanding of the concepts to the students. Majority of Questions in this book have been designed to success the reader understands of the subject. Professionals or those who are preparing for competitive examinations will also find this book very useful. This book will give the students a complete grasp of the mathematical skills that are needed by engineers all over the country.

Some Salient Features of the Book:

• In depth coverage of all related, essential and mentioned topics as per AICTE in simple presentation with clarity and accuracy.

• Emphasis on the applications of concepts and theorems.

•

Table of Contents

Author

Reena Garg Dr. Reena Garg, M.Sc. Mathematics (Gold Medalist), M.Phil, Ph.D is Assistant Professor (Mathematics) in YMCA University of Science & Technology, Faridabad (Haryana). She also taught in C.I.T.M. Faridabad (presently known as Manav Rachna International University, Faridabad). Her teaching experience of more than a decade has made this book more valuable for the knowledge seekers.She has published more than 10 research papers in various InternationalJournals. She is a life-time member of Forum of Inter-disciplinary mathematics in India. She is a member of reviewer Board in IJRET, Bangalore. </p
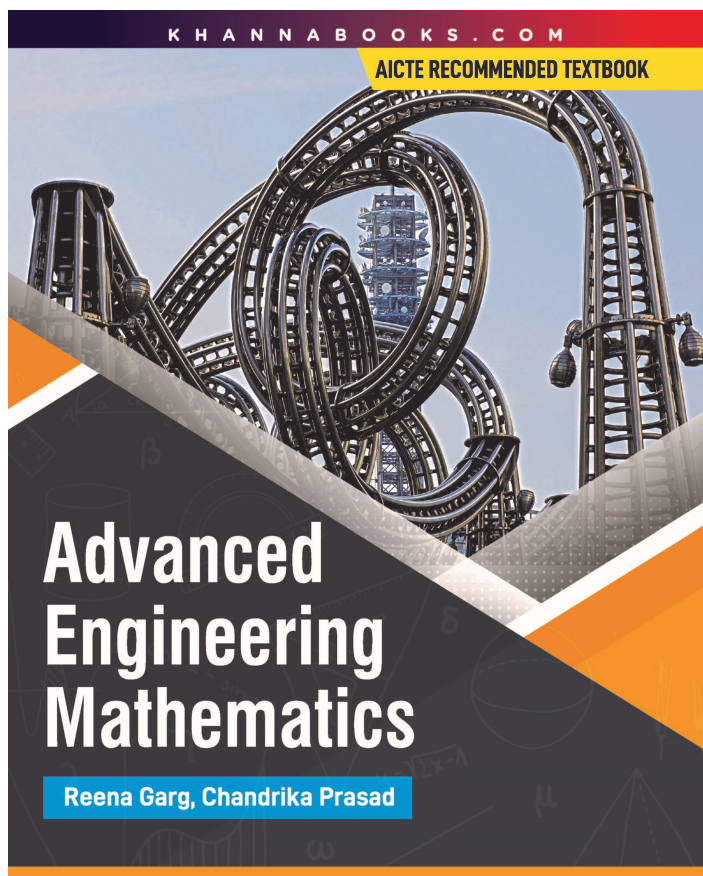
AICTE RECOMMENDED TEXTBOOK

Advanced Engineering Mathematics

Reena Garg, Chandrika Prasad

Advanced Engineering Mathematics

Author :	Chandrika Prasad
ISBN 13 :	978-93-86173-52-2
ISBN 10 :	93-86173-52-2
E-ISBN 13 :	978-93-86173-52-2
Edition :	First
Pages :	1032
Type of book :	Paperback
Weight (g) :	1.90
Year :	2023
Language :	English
Publisher :	Khanna Publishing House
Price :	Rs 636.00
Categories :	All book, Engineering Mathematics, Engineering Mathematics, UNIVERSITY RECOMMENDED
Condition Type :	New
Country Origin :	India

Product Description

This book provides a comprehensive, thorough and up to date treatment of mathematics in engineering and sciences. This is intended to introduce students of engineering, physics, mathematics, computer sciences and other related fields to those areas of applied mathematics that are most relevant for solving practical problems. Practice is the key word in the learning process of mathematics . The aim of this book is to provide a vast knowledge of mathematics and its diverse practical use in daily lives. The course contents in this book are the sole pre-requisites. The experience of the author of more than a decade in teaching at under graduate, post graduate level and in the research areas of mathematics in University makes this book useful. In this book all the topics and related concepts have been given in a lucid and simple way filling every gap between students and mathematics. A lot of worked examples are given so as to help the readers understand better.

Table of Contents

Chapter 1. Matrices and ITS Applications Chapter 2. Application to Geometry Chapter 3. Coordinate Geometry of Three Dimensions Chapter 4. Expansion of Functions (Taylor's and Maclaurin's Series) Chapter 5. Partial Differentiation Chapter 6. Reduction Formlae: Definite Integrals Chapter 7. Vector Calculus Chapter 8. Infinite Series Chapter 9. Fourier Series Chapter 10. Differentiation Chapter 11. Partial Differential Equations Chapter 12. Function of a Complex Varibale Chapter 13. Laplace Transforms and ITS Application Chapter 14. Fourier Transform and ITS Application Chapter 15. Empirical Laws and Curve Fitting. Chapter 16. Solution to Numerical, Algebraic and Trabscendental Equation Chapter 17. Numerical Solution of Ordinary Differential Equations Chapter 18. Numerical Solution of Ordinary Differential Equations Chapter 19. Numerical Solution of Partial Differential Equations

Author

Reena Garg Dr. Reena Garg, M.Sc. Mathematics (Gold Medalist), M.Phil, Ph.D is Assistant Professor (Mathematics) in YMCA University of Science & Technology, Faridabad (Haryana). She also taught in C.I.T.M. Faridabad (presently known as Manav Rachna International University, Faridabad). Her teaching experience of more than a decade has made this book more valuable for the knowledge seekers.She has published more than 10 research papers in various InternationalJournals. She is a life-time member of Forum of Inter-disciplinary mathematics in India. She is a member of reviewer Board in IJRET, Bangalore. **Chandrika Prasad** </p>