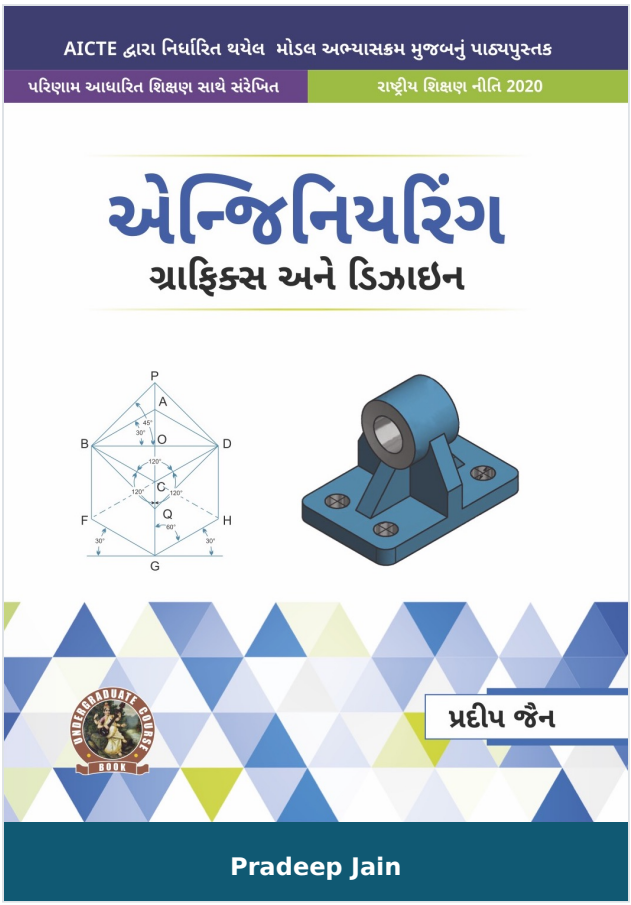

Engineering Graphics & amp; Design

Author :	Pradeep Jain
ISBN 13 :	978-93-55381-58-3
ISBN 10 :	9355381581
E-ISBN 13 :	978-93-55381-58-3
Edition :	First
Pages :	256
Type of book :	Physical
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Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 395.00
Categories :	AICTE Prescribed Textbooks, Gujarati Books, Book Store, Ebooks
Condition Type :	New
Country Origin :	India

Product Description

This textbook “Engineering Graphics and Design” is based on the latest outcome based model curriculum of the AICTE. The book covers complete syllabus catering requirements of all major technical universities and institutes and provides insights into traditional engineering graphics as well as treats of the subject using 2D and 3D design software. It offers technical details, current standard, real world examples and clearly explains theory and technique in highly visual and concise format. The topic covered in this book are arranged into 9 chapters comprising self-explanatory diagrams and solved examples.

Salient Features:

1. Introduction of Engineering Drawing.
2. Orthographic Projection.
3. Projection of Solids.
4. Section of Solids and Development of Surfaces.
5. Isometric Projection.
6. Overview of Computer Graphics.
7. CAD Drawing.
8. Solid Modelling.
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- Outcome Based Education
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- Sectional Views of Solids
- Isometric Projection
- Overview of Computer Graphics
- Customisation &CAD
- Annotation Layers and 3D Modelling
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Author

Pradeep Jain

Pradeep Jain has 15 years of experience in teaching and industry in CAD/CAM. presently he is working as an associate professor in the Department of Mechanical Engineering, Ajay Kumar Garg Engineering College, Ghaziabad. He is providing training and consultancy in CAD/ CAM field.

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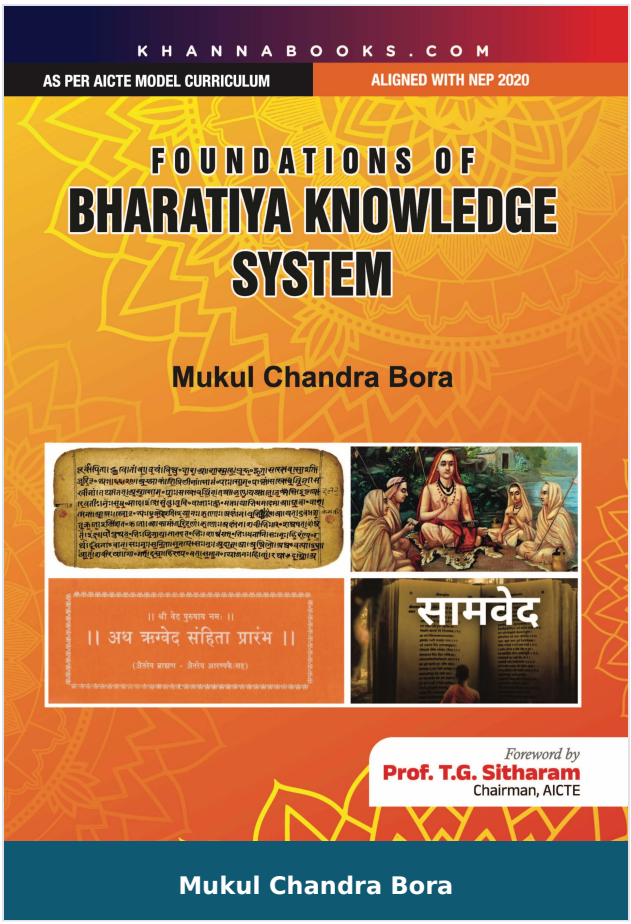

Foundations of Bharatiya Knowledge System

Author :	Mukul Chandra Bora
ISBN 13 :	978-93-55381-97-2
ISBN 10 :	9355381972
E-ISBN 13 :	978-93-55381-97-2
Edition :	First
Pages :	300
Type of book :	Physical
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Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 449.00
Categories :	Book Store, Best Sellers, Education & Knowledge Systems
Condition Type :	New
Country Origin :	India

Product Description

In recent times, there has been a growing discussion about the Bharatiya Knowledge System. However, many of us lack a deep understanding of its foundations, which is akin to achieving sustainability without acknowledging the importance of mother nature and the Earth. After Conduction three Years of research in this field, the author discovered that although people often mention the Bharatiya Knowledge System, most of us are not well- versed in the fundamental Knowledge and interpretation of the Sanskrit Literature of Ancient India. Therefore, it is crucial to first delve in to the foundations of the Bharatiya Knowledge System and subsequently explore its relevance in the modern scientific world. Just as a building or structure cannot be constructed without a solid foundation, acquiring a comprehensive understanding of the Bharatiya Knowledge System necessitates studying the Vedic Texts and Literature. Consequently, the author has divided this book into two volumes as Volume I: Foundations of Bharatiya Knowledge System which simply covers the foundations of the Bharatiya Knowledge System in a simple and easy-understandable language; Volume II: Bharatiya Knowledge System and Modern World which examines the scientific and modern theories found in the ancient texts.

Salient Features of this book Include an Exploration of the:

1. Vedic Period of Bharat.

2. The History of Sanskrit Literature.

3. An Introduction to Rigveda, Yajurveda, Atharvaveda, Samaveda, Brahmanas, and Upanishads.

4. Although there is an extensive treasure trove of Sanskrit Literature.

5. This Book Focuses solely on the original Vedas, Brahmanas and Upanishads.

6. Ancient Bharat’s Seat of Learning.

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7. How the Western People got our Ancient Rishi’s Wisdom and converted it to materialistic use.

8. Why do we have to know our heritage which was neglected for many thousands of years by our own people?

In the final chapters, there sections are dedicated to provide glimpses of our ancient education and its application in the modern world. These chapters are intended to stimulate readers’ minds and help them recognize the relevance of the Bharatiya Knowledge System in their own academic lives. Fostering a sense of pride in the Vast practical knowledge of ancient India. This book is entirely devoted to establishing the foundations of the Bharatiya Knowledge System, Supplemented by a few examples of its application in today’s world.

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- The Brahmanas and Upanishads
- Scientific Evidence of Sanskrit Literature
- Great Learning Places of Ancient Bharat
- Glimpses of Ancient Bharatiya Knowledge in Modern World
- Suggested Reading
- Brief Introduction to Bharatiya Knowledge System Vol II

Author

Mukul Chandra Bora

Dr. Mukul Chandra Bora has an extensive academic background in civil engineering, reflecting his commitment to scholarly excellence. He earned a Ph.D. in Civil Engineering from the Indian Institute of Technology (TIT) Guwahati in 2011, following an M. Tech in Geotechnical Engineering from IIT Kharagpur in 2000. His journey in the field began with aB.E.in Civil Engineering from Dibrugarh University in 1988. With decades of professional experience, Dr. Bora has held key academic and administrative roles. Since August 2012, he has been the Director of the Institute of Engineering & Technology, Dibrugarh

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University. Previously, he served as State Project Administrator for the Northeast State Project Implementation Unit (2017-2021) of TEQIP - III project of Ministry of Education, Government of India. His teaching career includes a tenure at Technical Education Department of Government of Assam together with professional experience as a Quantity Surveyor at PBS Limited, Guwahati (199l-1995) and a Site Engineer at M.L. Dalmiya & Co. Ltd., Kolkata (l989-1991). Dr. Bora's research and consultancy work focus on ground improvement techniques, geosynthetics, rainfall impact on groundwater, non-biodegradable waste in construction, and slope stabilization. He has contributed significantly to materials characterization and geotechnical investigations for major infrastructure projects, including power plants and industrial facilities. He is at fellow of the Institution of Engineers (India), a Senior Member of the Asia Pacific Chemical, Biological and Environmental Engineering Society (Hong Kong), and a Member of the International Association for Life Cycle Civil Engineering (Italy). Additionally, he serves as a reviewer for reputed journals, including Springer's Journal of the Institution of Engineers (India), Series A. Beyond civil engineering, Dr. Bora has made remarkable contributions to the Bhartiya Knowledge System (BKS), which encompasses philosophy, science, mathematics, astronomy, Ayurveda, linguistics, and traditional Indian technologies. Rooted in ancient texts like the Vedas and Upanishads, BKS has profoundly influenced Indian civilization. Dr. Bora is dedicated to reviving and integrating traditional Indian knowledge with modern research and education, bridging the gap between ancient wisdom and contemporary advancements. His book, ''Foundations of Bhartiya Knowledge System" (2023), published by Khanna Publishing House, delves into the fundamental principles of India's knowledge systems, promoting their relevance in the modem era. Through his work, Dr. Bora continues to advance both civil engineering and India's intellectual heritage, fostering a deeper appreciation of Bhartiya wisdom among scholars and students.

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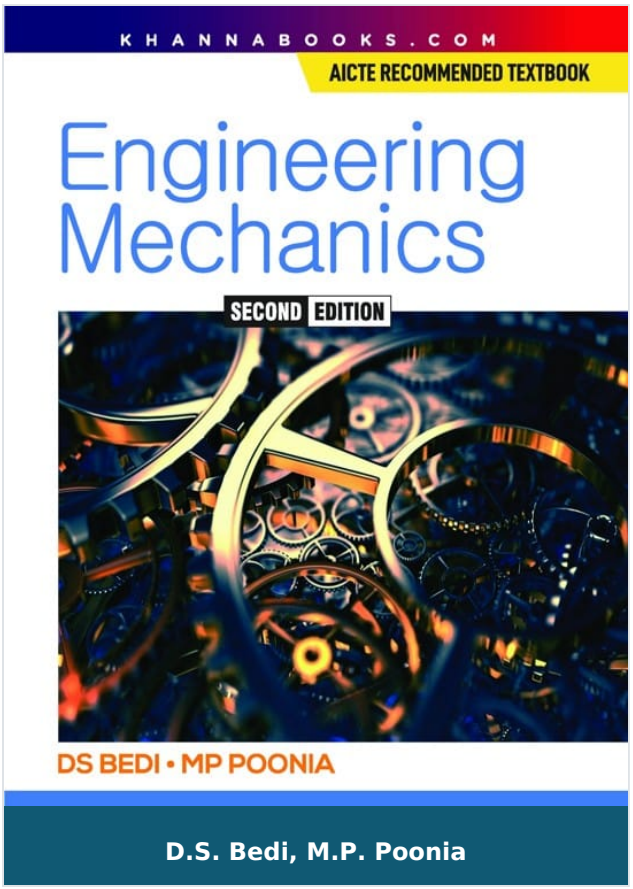

D.S. Bedi, M.P. Poonia

Engineering Mechanics

Author :	D.S. Bedi, M.P. Poonia
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Product Description

This book is based on expertise of the authors obtained through their long teaching careers. It is put up in a simple language so that it could cater to one and all.

The attention of the students is drawn to the topics of bending moments and twisting moments which are not properly explained in most of other books. They have been explained with the help of Vectors, which are used to present these quantities in such a way that one can easily distinguish between these two, as what is Bending moments and what is Twisting Motions.

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- Shearing Force and Bending Moment in Beams
- Truss
- Centroid, Centre of Gravity, Second Moment of Area and moment of Inertia
- Kinematics of Rigid Body
- Kinetics of Rigid Bodies
- Simple Stress and Strain
- Elastic Constants, Complex Stresses and Strain Energy
- Pure Bending of Beams
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Author

D.S. Bedi

Dr. D.S. Bedi is one of the distinguished writers in India. He possesses a very excellent academic background. He had held various high positions viz. formerly Professor Emeritus at Department of Mechanical Engineering, Institute of Engineering and Technology (Punjab); Professor & Head, Dept. of Mechanical Engineering,Thapar Institute of Engineering & Technology (Punjab); Visiting Professor at Wayne State University, Detroit, MI (USA); Principal, Baba Banda Singh Bahadur Engineering College, (Punjab); Advisor-cum-Consultant at G.G.S. College of Modern Technology (Punjab); Director, Punjab College of Engineering; Technology, Punjab.

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M.P. Poonia

Dr. M.P. Poonia is presently serving as Vice Chairman, All India Council for Technical Education (AICTE). Prior to this, he remained as Director, National Institute of Technical Teachers' Training and Research (NITTTR), Chandigarh. Dr. Poonia is the recipient of Bharat Mata Award conferred by Indian Institute of Oriental Heritage (an International Institute of Oriental Studies and Research, Kolkata. Dr. M.P.Poonia is specialized in the field of Mechanical Engineering. He possesses a vast experience of 30 years. He has published 80 research papers in National and International Journals and published 8 books with M/s. Khanna Book Publishing Company.

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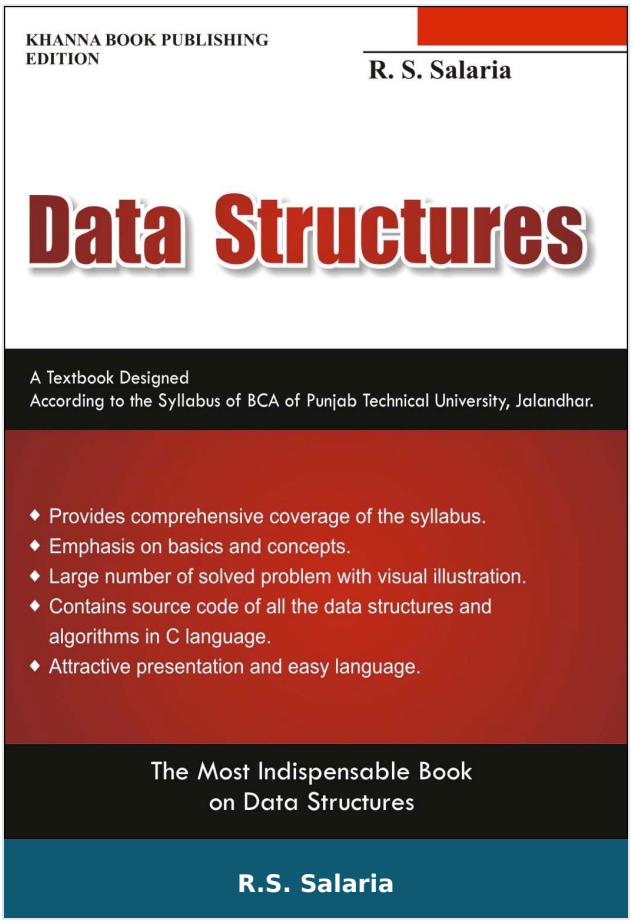

Data Structures

Author :	R.S. Salaria
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ISBN 10 :	9381068321
E-ISBN 13 :	978-93-81068-32-8
Edition :	1
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Type of book :	Physical
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Publisher :	Khanna Publishing House
M.R.P :	Rs 275.00
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Condition Type :	New
Country Origin :	India

Product Description

This book is specially designed to serve as textbook for the student of BCA of Punjab Technical University, Jalandhar, and cover all the topics as prescribed in their syllabus

The subject of data structures is of prime importance for the student of Computer Science and IT. It is of practical nature and requires thorough understanding of basics and concepts of the subject before punting them into practice.

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- Trees
- Sorting And Searching

Author

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

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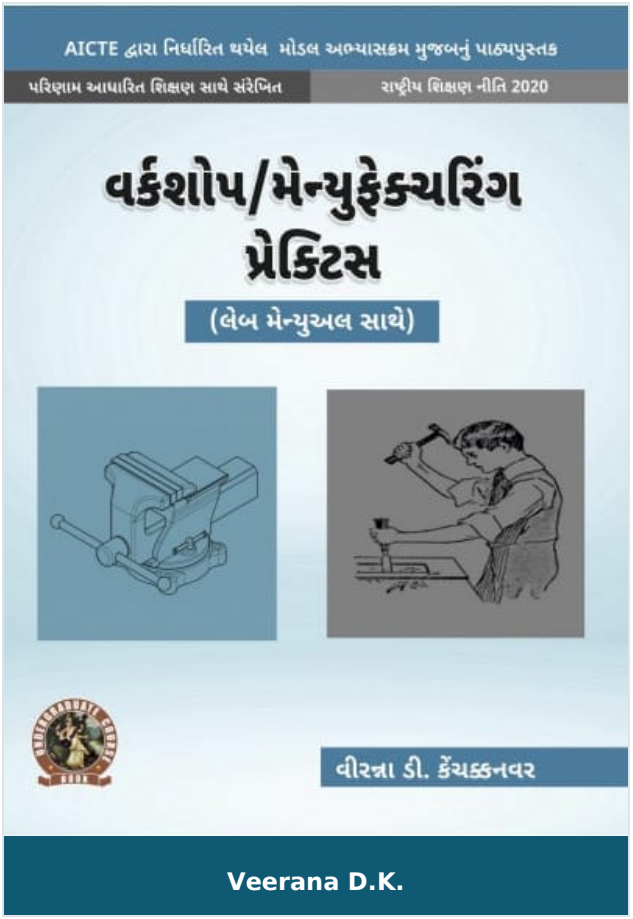

Workshop / Manufacturing Practices (with Lab Manual)

Author :	Veerana D.K.
ISBN 13 :	978-93-55381-60-6
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E-ISBN 13 :	978-93-55381-60-6
Edition :	First
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Publisher :	Khanna Publishing House
M.R.P :	Rs 395.00
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Condition Type :	New
Country Origin :	India

Product Description

The textbook on “Workshop/ Manufacturing Practices” is designed to cater the needs of young minds of 21 century. The AICTE model curriculum and National Education Policy has driven a new wave in the technical education. The textbook is designed not only to cater the need of the syllabus but also to look things in a different perspective. The Workshop is the place where the core of learning about different materials, equipment, tools and techniques takes place. Basically the workshop used to prepare the small components by hand tools. Sometimes they may be parts of the large machines or may may be parts for replacement/repairs. In this text book an attempt has been made to connect the conventional tools usage to advanced machine tools usage. The relevant practical examples are quoted to make the readers more comfortable with product and processes. The blooms taxonomy is fallowed in construction of each chapters and exercises. The objective and multiple questions with higher order thinking may help the readers to not only to face the semester end exam even they may help in competitive and other examinations.

Salient Features:

1. Manufacturing Methods.
2. CNC Machining, Additive manufacturing.
3. Fitting operations & power tools.
4. Electrical & Electronic.
5. Carpentry.
6. Plastic mounding, glass cutting.
7. Metal casting.
8. Welding (arc welding & gas welding), brazing.

9. Laboratory experiments and models.

10. Appendices.

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- Course Outcomes
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- Manufacturing Methods
- CNC Machining, Additive manufacturing, Fitting operations & power tools
- Electrical & Electronic
- Carpentry, Plastic moulding, glass cutting
- Metal casting, welding (arc welding & gas welding), brazing
- Part- B: Workshop Practice Laboratory
- Appendices
- References

Author

Veerana D.K.

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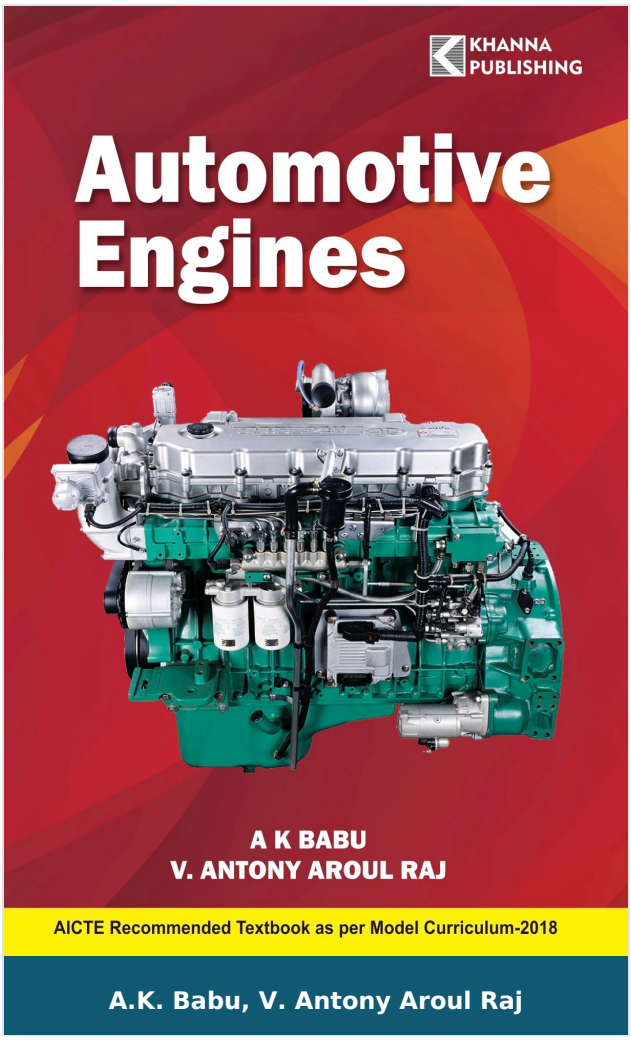

Automotive Engines

Author :	A.K. Babu, V. Antony Aroul Raj
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Product Description

This book is designed to meet the requirements of the students of Mechanical Engineering and Automobile Engineering. It is based on the latest syllabi prescribed by different Technical Colleges and Universities in India. Each chapter is describes in simple, non-technical language and explains by clear illustrations that how engine parts and systems are constructed, how the part works, and what is required to maximize performance in terms of power, speed, economy and safety.

The important short and long review questions which the are included at the end of each chapter are taken from previous semesters question papers of various Technical colleges and Universities. This book is intended to be used as a Text and for Reference by colleges and technical universities offering subjects like Automotive Engines and Internal Combustion Engines.

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- Turbocharging and Supercharging
- Engine Testing
- Cooling and Lubrication
- Emission and Control
- Review Question

Author

A.K. Babu

A.K. Babu A.K.Babu is working as Associate Professor in the Department of Automobile Engineering, SRM Easwari Engineering College, Chennai, India. He has over 18 years of experience in teaching, research and industry. A.K.Babu, completed his Master Degree in Automobile Engineering from Madras Institute of Technology (M.I.T.), Anna University (1997). He has served in other countries like Malaysia, Ethiopia and Eritrea for more than 5 years. A.K.Babu has published considerable number of research papers in international journals and conferences. His research paper published in SAE Journal of Fuels and Lubricants awarded one the most outstanding papers in the year 2003.

V. Antony Aroul Raj

V. Antony Aroul Raj Dr.V.Antony Aroul Raj is a Professor in the Department of Mechanical Engineering, SRM Easwari Engineering College, Chennai, India. He has over 15 years of research and teaching experience. Dr.V.Antony Aroul Raj obtained B. E. Degree in Mechanical Engineering from the Pondicherry Engineering College (1993) and a Ph.D in

Energy Engineering from the Anna University, Chennai, India (2011). He has received the best project award for his PG project. He has worked in the air-conditioning Industry for 4 years and installed about 60 plants. He has more than 10 research publications in International Journals with high impact factors and in various conferences in India and abroad. He is a Life member of ISHRAE and SAE.

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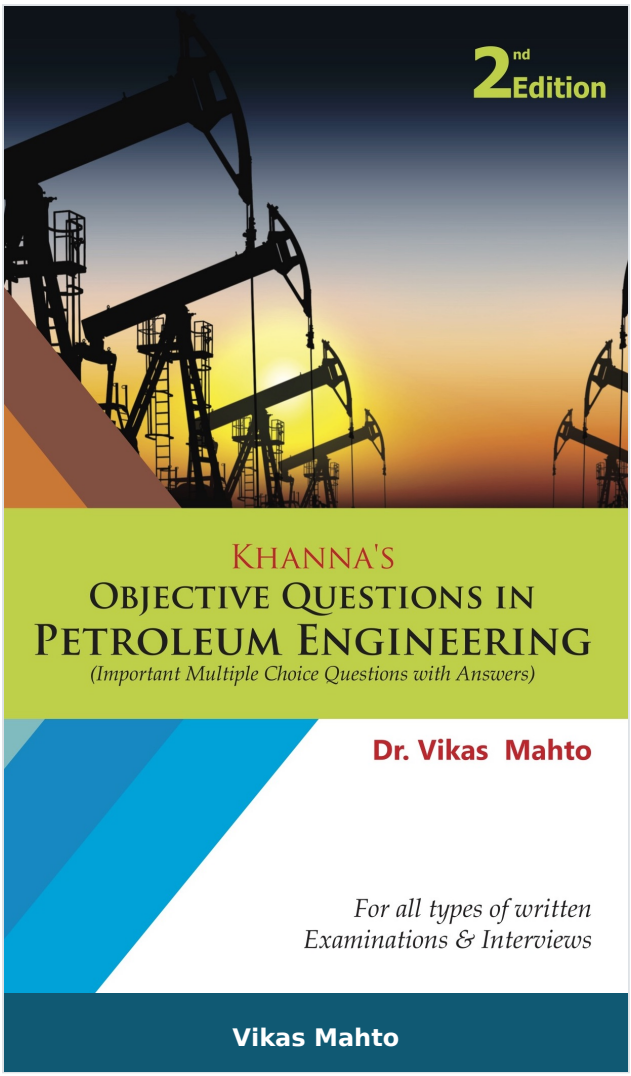

Khanna's Objective Questions in Petroleum Engineering

Author :	Vikas Mahto
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Edition :	2
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Product Description

In this book, an attempt has been made by the author to present numerous important questions with answers which have been methodically prepared/selected from different text books, manuals of petroleum industries, SPE technical chapters and teaching materials of distinguished persons. These questions are very relevant for promoting fundamental understanding of petroleum engineering and will be primarily useful for fresh graduates of petroleum engineering who can prepare themselves soundly for both written as well as oral examinations. The hints and solutions of most important questions are included in this book.

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- Reservoir Engineering
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- Offshore Drilling and production Practices
- Petroleum Formation Evaluation
- oil and gas Well Testing
- Health safety and Environment in petroleum Industries
- Enhanced Oil Recovery Techniques
- Unconventional Hydrocarbon Resources
- Hints and Solutions

Author

Vikas Mahto

Dr.Vikas Mahto is an Associate Professor in the petroleum Engineering Department of Indian School Of Mines Dhanbad, India. He has received his Ph.D. degree in petroleum Engineering from Indian School of Mines Dhanbad in 2004. He is having more than 12 years of teaching experience in the field of Chemical Engineering and Petroleum Engineering. He is the author of more than 100 technical papers in different national/International journals 7 conferences of repute. He has completed three research projects sponsored by UGC-ISM, UGC New Delhi and CSIR New Delhi and currently working on collaborative project with Oil India India Ltd, Duliajan, Assam. He has field two Indian Patents. He is the reviewer and member of editorial boards of many national and

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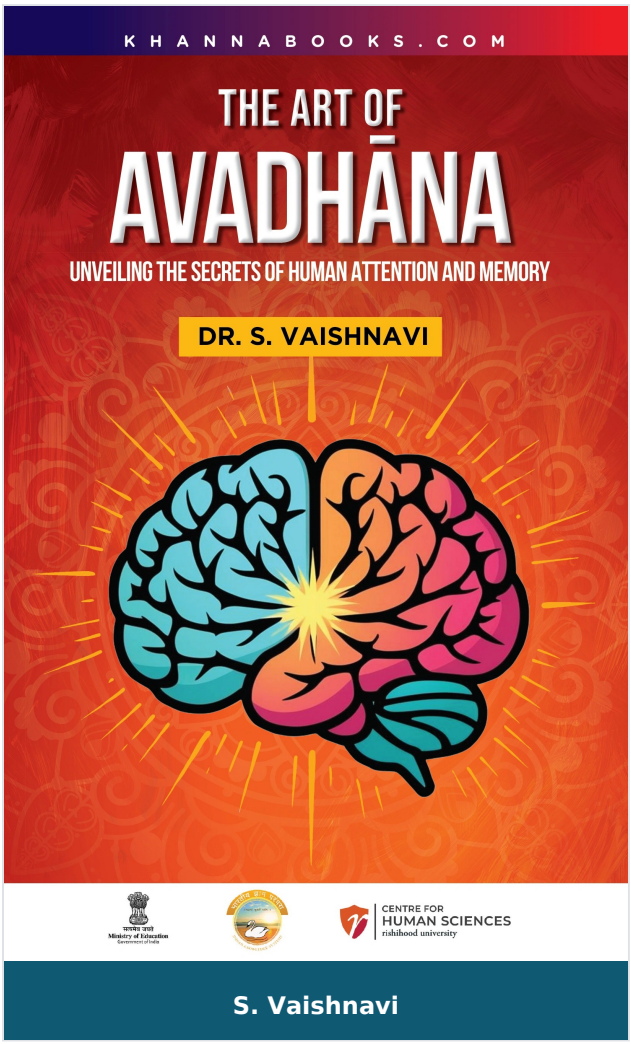

The Art of Avadhanam (Unveiling the Secrets of Human Attention and Memory)

Author :	S. Vaishnavi
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ISBN 10 :	935538226X
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Edition :	1
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The human mind, with its vast and intricate capabilities, has been a subject of wonder and inquiry across cultures and epochs. Amidst the profound legacy of Indian intellectual traditions, the ancient art of Avadhana shines as a remarkable testament to the extraordinary cognitive potential of the human mind. Rooted in classical disciplines of Sanskrit and other Indian languages, Avadhana exemplifies the harmonization of memory, multitasking, and creativity, encapsulating the extraordinary synergy between linguistic mastery and mental agility. This book delves into the multifaceted dimensions of Avadhana, exploring its relevance as a cognitive phenomenon and its profound implications for understanding human intelligence. The chapters within aim to bridge the traditional practice of Avadhana with contemporary perspectives on memory, focus, and the neuropsychology of learning. By doing so, I hope to illuminate its enduring significance, not only as a literary and cultural treasure but also as a practical framework for enhancing mental faculties in today's world. I was extensively inspired by the Avadhana art form and its remarkable demonstration of the human mind’s responses and functions. Witnessing this art directly was a transformative experience, deepening my appreciation of its cognitive intricacies and its potential applications. The foundation of this work owes much to the tireless efforts of Prof. Sampadananda Mishra, whose vision and leadership under the Indian Knowledge Systems (IKS) initiative have been instrumental in shaping this project. Prof. Mishra has been at the forefront of reviving and promoting the art of Avadhana, organizing three outcome-oriented workshops and training programs at the National Sanskrit University, Tirupati. These programs have not only provided practical insights into the nuances of Avadhana but have also cultivated a new generation of practitioners and researchers dedicated to this extraordinary tradition. I sincerely thank Prof. Mishra, my mentors, colleagues, family, and the custodians of this ancient tradition, whose insights, guidance, and unwavering encouragement have deeply enriched this work. This book is an invitation to rediscover the boundless possibilities of

the human mind and the timeless wisdom embedded in India’s cultural heritage. May it inspire a renewed appreciation of Avadhana and spark meaningful conversations across disciplines.

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Author

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Dr. S. Vaishnavi is a leading Sanskrit scholar, researcher, and educator dedicate to integrating traditional wisdom with modern learning. Her expertise spans Traditional pedagogies, psychology, and Cognitive Science, Holding a Ph.D. in Sanskrit from national Sanskrit University, Tirupati, alongside degree in Education, Psychology, and other disciplines, she boasts a strong academic foundation. as an Assistant Professor at national Sanskrit University for five Years, Dr. Vaishnavi mentored research scholars and contributed significantly to academia through publications and lectures. She has presented at numerous national and international conferences and actively participated in educational projects like Digital Chitrapadakosha and Swayam Prabha courses. Known for her oratory skills and leadership in education, she bridges the gap between ancient

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knowledge and contemporary teaching methodologies, shaping the future of Sanskrit education through innovative curriculum development and a deep commitment to research and pedagogy.

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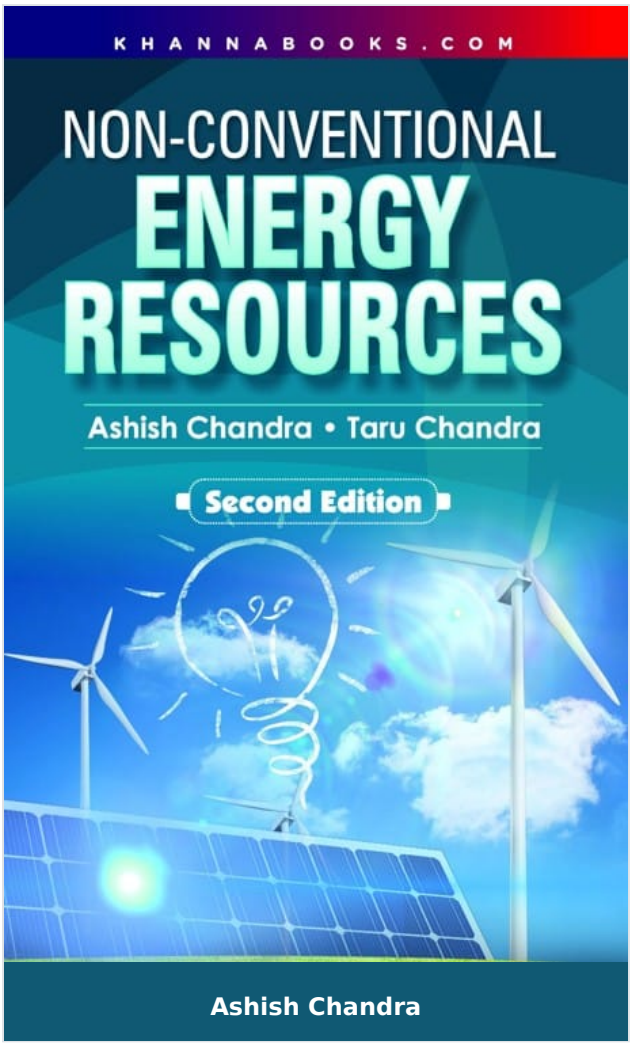

Non Conventional Energy Resources

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Product Description

This book covers all the details of various types of non conventional energy technologies such as solar energy, wind energy, biomass energy, tidal energy etc and their applications in a comprehensive manner. The book is designed to serve all the engineering students of undergraduate level.

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- Chapter-17: Other Applications of Solar Energy

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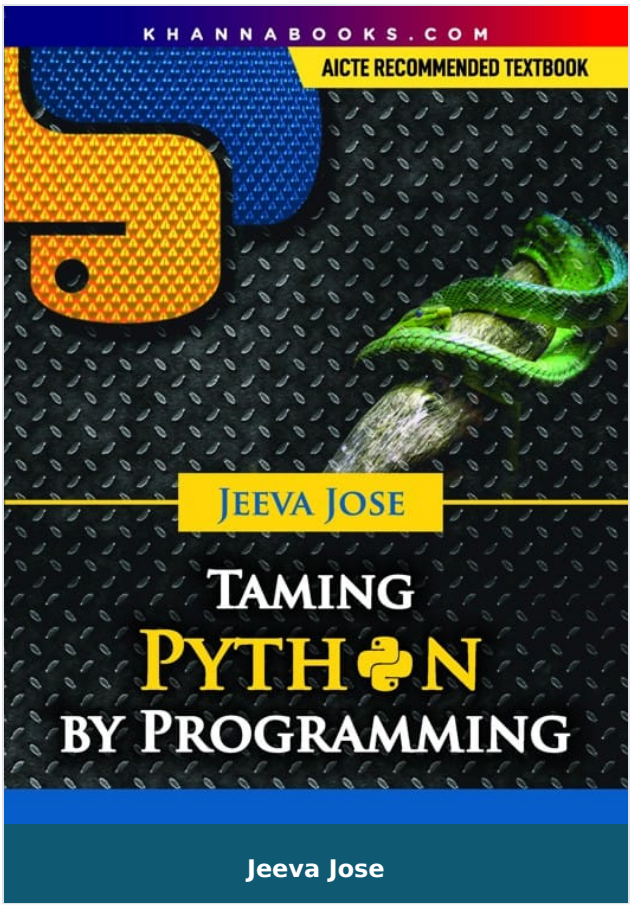

Taming PYTHON By Programming

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This is a great book for Python Beginner and Advanced Learner which covers Basics to Advanced Python Programming where each topic is explained with the help of Illustrations and Examples. More than 450 solved programs of this book are tested in Python 3.4.3 for windows. The range of Python Topics covered makes this book unique which can be used as a self study material or for instructor assisted teaching. This books covers Python Syllabus of all major national and international universities. Also it includes frequently asked questions for interviews and examination which are provided at the end of each chapter.

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