



राष्ट्रीय अनुवाद मिशन

NATIONAL TRANSLATION MISSION
CENTRAL INSTITUTE OF INDIAN LANGUAGES

(Ministry of Human Resource Development, Department of Higher Education, Government of India)
Manasagangotri, Hunsur Road, Mysore 570006

Two books in disciplines shortlisted for translation by NTM initially

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HISTORY

BOOK 1

Author Name	: Thapar, R.
Book Title	: <i>Early India: From the Origins to AD 1300</i>
Place of Publication	: California
Publisher	: University of California Press
Latest Edition	: 2004
Binding	: Paperback
Number of pages	: 555
Price	: 1545.00 INR
ISBN No	: 0520242254
ISBN No-13	: 978-0520242258
Suggested by	: <p>Dr. Suchandra Ghosh, Head, Department of Ancient Indian History & Culture, University of Calcutta, Kolkata</p> <p>Prof. Sebastian Joseph, Department of History, University of Mysore, Mysore</p> <p>Prof. Kunal Chattopadhyay, Department of History, Jadavpur University, Kolkata</p>

NTM Database Status : Found prescribed 7 times in Indian Universities.

Book Description : "Early India" represents a complete rewriting by Romila Thapar of her classic work, "A History of India" (the first volume in the "Penguin History of India" series), thirty-five years after it was first published. Thapar has incorporated the vast changes in scholarly understanding and interpretation of Indian history that have occurred during her lifetime to revise the book for a new generation of readers. This new work brings to life thousands of years of history, tracing India's evolution before contact with modern Europe was established: its prehistoric beginnings; the great cities of the Indus civilization; the emergence of mighty dynasties such as the Mauryas, Guptas, and Cholas; the teachings of the Buddha; the creation of heroic epics such as the "Mahabharata" and the "Ramayana"; and the creation of regional cultures. Thapar introduces figures from the remarkable visionary ruler Ashoka to other less exemplary figures. In exploring subjects as diverse as marriage, class, art, erotica, and astronomy, Thapar provides an incomparably vivid and nuanced picture of India. Above all, she shows the rich mosaic of diverse kingdoms, landscapes, languages, and beliefs.

Quotes :

"Romila Thapar is the most eminent Indian historian. This superb book is not only the basic history of how India came to be and an introduction to how the writing of history takes shape, but also, not the least, a deconstruction of the historical myth and inventions on which is based the present intolerant and exclusivist Hindu nationalism. It is essential reading today."

- Eric Hobsbawm

"One of the world's most eminent historians of India, Thapar gives us a thoroughly revised edition of her authoritative general history. This one contains the accumulated research of the last thirty years and

includes richly textured accounts of life in ancient India. Like its predecessor, this is indispensable reading for anyone interested in India's long and complex history."

- Thomas R. Metcalf, Professor of History and Sarah Kailath Professor of Indian Studies, University of California, Berkeley, and co-author of A Concise History of India

Status of availability in regional languages: Available in Malayalam.

BOOK 2

Author Name	: Kosambi, D.D.
Book Title	: <i>An Introduction to the Study of Indian History</i>
Place of Publication	: Mumbai
Publisher	: Popular Prakashan Pvt Ltd
Latest Edition	: 2009
Number of Pages	: 415
Price	: 256.00 INR
ISBN No	: 8171540384
ISBN No-13	: 978-8171540389

Suggested by

:

Dr. Suchandra Ghosh,
 Head, Department of Ancient Indian History & Culture,
 University of Calcutta, Kolkata.

Prof. Sebastian Joseph,
 Department of History,
 University of Mysore, Mysore

Prof. Kunal Chattopadhyay,
 Department of History,
 Jadavpur University,
 Kolkata.

NTM Database Status : Found prescribed 8 times in Indian Universities.

Book Description : This significant work outlines a fundamentally new approach to the study of Indian history, and is intended to serve as a critical guide to scientific historical thought. The reader is shown how to gain a profound insight into the past by examination of the monuments and customs. At the same time, the present is shown to be the inevitable result of a steady historical development.

Quotes:

"An Introduction to the Study of Indian History is in many respects an epoch making work, containing brilliantly original ideas on almost every page; if it contains errors and misrepresentations, if now and then its author attempts to force his data into a rather doctrinaire pattern, this does not appreciably lessen the significance of this very exciting book, which has stimulated the thought of thousands of students throughout the world."

- A. L. Basham

PHILOSOPHY

BOOK 1

Author Name	:	Copi, I.M., (1954)
Book Title	:	<i>Symbolic Logic</i>
Place of Publication	:	
Publisher	:	Prentice Hall
Latest Edition	:	5 th Edition (1990)
Binding	:	Paperback
Number of pages	:	411
Price	:	7648.00 INR
ISBN No	:	0023249803

Suggested by	:	
		Dr. Raghuram Raju, Hyderabad University. Hyderabad.
		Dr. Nirmalanshu, University of Delhi. Delhi.
		Dr. Satyapal Gautam, Jawaharlal Nehru University, New Delhi.
		Prof. Kamalakar Mishra, (Retd.) Banaras Hindu University, Banaras

NTM Database Status : Found prescribed 24 times in Indian Universities.

Book Description: The most widely adopted of all symbolic logic texts leads students, gradually but progressively, to a thorough understanding of symbolic logic fundamentals. The treatment of the subject is mathematically rigorous, wherever necessary (e.g. Chapter on Set Theory) and the presentation is lucid. Solutions to selected exercises are provided at the end of the book and the three appendices, besides the list of symbolic notations, rules of inference, and quantification rules, enrich the readability of the text.

Quotes :

1. *I thoroughly enjoyed learning from this book, and it became the foundation of my analytic philosophy knowledge.*
2. *This book should be required reading for all young teens. Although Copi's method of teaching logic is not the most modern, it is the most useful for developing critical thinking and language skills in people who do not intend to be logicians. Mastering this material will give children a foundation that will help them in unexpected ways in all walks of life.*

BOOK 2

Author Name	:	Hiriyanne, M. (1932)
Book Title	:	<i>Outlines of Indian Philosophy</i>
Place of Publication	:	Delhi
Publisher	:	Motilal Banarsidass
Latest Edition	:	New edition (2009)
Binding	:	Paperback
Number of pages	:	420
Price	:	1843.00INR
ISBN No	:	8120810996
ISBN No-13	:	978-8120810990

Suggested by	:
	Dr. Raghuram Raju, Hyderabad University, Hyderabad.
	Dr. Nirmalanshu, University of Delhi, Delhi.
	Dr. Satyapal Gautam, Jawaharlal Nehru University, New Delhi.
	Prof. Kamalakar Mishra, (Retd.) Banaras Hindu University, Banaras.

NTM Database Status: Found prescribed 14 times in Indian Universities.

Book Description: The beginning of Indian Philosophy takes us very far back to about the middle of the second millennium before Christ. The speculative activity begun so early was continued till a century or two ago, so that the history that is narrated in the following pages covers a period of over thirty centuries. During this long period Indian thought developed practically unaffected by outside influence; and it has evolved several systems of philosophy. The present work is based upon the lectures by Prof. Hiriyanne.

Quotes :

1. *I thoroughly enjoyed learning from this book, and it became the foundation of my analytic philosophy knowledge.*
2. *This book should be required reading for all young teens. Mastering this material will give children a foundation that will help them in unexpected ways in all walks of life.*

Status of availability in regional languages: Available in Tamil as two volumes

POLITICAL SCIENCE

BOOK 1

Author Name	: Granville, A.
Book Title	: <i>The Indian Constitution: Cornerstone of a Nation</i>
Publisher	: Clarendon Press, Oxford University Press, 1966, 1905, 1999
ISBN No	: 0195649591
No of pages	: 390
Price	: \$24.33
Suggested by	:

Prof. Javeed Alam,
Chairman, ICSSR, New Delhi.

Dr. Ramachandrappa,
Chairman, Department Studies in Political Science,
University of Mysore, Mysore.

Prof. Abhay Kumar Dubey,
Centre for the Studies of Developing Societies, New Delhi

NTM Database Status : Found prescribed 14 times in Indian Universities.

Book Description: Austin Granville is a retired historian. Very few can match Granville Austin's industry and integrity and a talent for delivering candid censure in measured words.'

Quotes :

"took the world of scholarship by storm ... records in meticulous detail precisely how it (the constitution) has been worked by our politicians, judges and lawyers ... This is the most readable, and probably the most thorough, account of the framing of the Constitution that has been published. It is ... political theory at its best."

- A.G. Noorani
Frontline, Madras, April 2000

`took the world of scholarship by storm.'

- Norman Palmer,
Journal of Asian Studies

BOOK 2

Author Name	: Laski, H. J.(1925)
Book Title	: <i>A Grammar of Politics</i>
Place of Publication	: New Haven
Publisher	: Yale University Press
Latest Edition	: 5 th edition (2004) Anamika Publishers & Distributors (P) Ltd;
Binding	: Paperback
Number of Pages	: 560
ISBN No	: 8179750345
ISBN No-13	: 9788179750346
Suggested by	: <p>Prof. Javeed Alam, Chairman, ICSSR.</p> <p>Dr. Ramachandrappa, Chairman, Department Studies in Political Science, University of Mysore, Mysore.</p> <p>Prof. Abhay Kumar Dubey, Centre for the Studies of Developing Societies, New Delhi.</p>

NTM Database Status : Found prescribed 8 times in Indian Universities.

Book Description : This book is divided into two parts to give a thorough and clear understanding of various aspects of political science and governance. Part I deals with topics such as the purpose of social organisation, sovereignty, rights, liberty and equality, property, nationalism and civilisation, and authority as federal. Part II covers political institutions, economic institutions, the judicial process and international organisations. As such, the topics covered ensure the book's usefulness for all readers interested in the subject.

BOOK 3

Author Name	: Sabine, G. H.
Book Title	: <i>A History of Political Theory</i>
Place of Publication	: New Delhi
Publishing Date	: 1973
Publisher	: 4 th Edition Oxford & IBH Pub. Co. Pvt. Ltd.
Price	: \$ 4.57
ISBN No	: 8120417062
ISBN No-13	: 9788120417069
Suggested by	:
	Prof. Javeed Alam, Chairman, ICSSR.
	Dr. Ramachandrappa, Chairman, Department Studies in Political Science, University of Mysore, Mysore.

NTM Database Status: Found prescribed 5 times in Indian Universities.

Book Description : It was first published on 10th April, 1937 by American Publishers Holt, Rinehart and Winston Inc., New York. It was written in the light of the hypothesis that theories of politics are themselves a part of politics. In other words, they do not refer to an external reality but are produced as a normal part of the social milieu in which politics itself has its being.

Quotes :

"I'll be brief in simply stating that if one desires a clear introduction to the most seminal elements of political philosophers whose thinking has helped set the direction of the modern western world, look no further than Sabine's astounding book. This was the required text for Political Theory when I was studying Political Science in 1968. Since then I have lent it to several generations of Political Science students who have all found it a brilliant summary. Last year my husband started a Masters in International Relations. Once again Sabine came to the fore. A great pity it is out of print. Cherish a copy if you can find it. This text is considered The Bible for any Political Science person. The person that sent me that also was very prompt and sent me in a shape and condition that I had not imagined it would be. It's not "Like New", but actually new if I clean the name of the previous owner with an ink remover."

- Ashutosh, on a website review

PSYCHOLOGY

BOOK 1

Author Name	: Carson, R. C., Butcher J.N., and Minekha, S. (1948)
Book Title	: <i>Abnormal Psychology and Modern Life</i>
Place of Publication	: Allyn and Bacon, Pearson Education, Limited
Latest Edition	: 13 th edition
Binding	: Hardcover
Number of pages	: 718
Price	: £ 17.61
ISBN No	: 0321034309, 9780321034304

Suggested by :
Prof. Malavika Kapur,
Member, ICSSR.

Prof. V Prakash,
University of Mysore, Mysore

Prof. Girishwar Mishra,
University of Delhi, Delhi.

NTM Database Status : Found prescribed more than 8 times in Indian Universities.

Book Description : This is a good introductory book on abnormal Psychology. It is the most authoritative one in the field of Psychology. Bob Carson and Jim Butcher have been authoring this book and Susan Minekha came onboard in 1996. The reader is made aware of the diversity of the field and the interaction of biological, psychosocial, and socio cultural factors in understanding the causes of different disorders through this book.

Quotes :

"Encyclopedic in content and artistic in presentation, Abnormal Psychology in Modern Life provides a superlative introduction to theory and empirical research in the field of Abnormal Psychology. The structure of the text follows a well-planned and coherent organization of the major classifications of mental disorders. Specifically, the case studies presented provide the reader with a clear understanding of the symptomatology as contained in the DSM-IV. From the Hardcover of the book."

BOOK 2

Author Name	: Garret, B. (2003)
Book Title	: <i>Brain and Behavior</i>
Place of Publication	: Thousand Oaks
Publisher	: Sage Publication
Latest Edition	: 2 nd edition, 2008
Binding	: Paperback (of the latest edition)
Number of pages	: 616
Price	: \$ 85.49
ISBN No	: 1412961009
ISBN No-13	: 978-1412961004
Suggested by	: <p>Prof. Malavika Kapur, Member, ICSSR.</p> <p>Prof. V. Prakash, University of Mysore, Mysore.</p>

NTM Database Status : Not found.

Book Description : Thoroughly updated from the previous edition, **Brain & Behavior: An Introduction to Biological Psychology, Second Edition** is the only text that focuses on the “big picture” to provide a highly accessible introduction to the biology of behavior, from emotions to perception to consciousness.

Quotes :

“My students liked the organization of Garrett. They thought it was easy to read and an appropriate resource for this course.”

- Charles Long, University of Memphis.

SOCIOLOGY

BOOK 1

Author Name	: A. Coser, L. A.
Book Title	: <i>Masters of Sociological Thought: Ideas in Historical and Social Context</i>
Publisher	: Waveland Pr Inc
Latest Edition	: 2 nd edition, July 2003
Binding	: Paperback
Number of Pages	: 640
Price	: \$ 31.84
ISBN No	: 1577663071
ISBN No-13	: 978-1577663072

Suggested by

:
 Prof. Gururaj Bidekar, Chairman,
 Department of Studies in Sociology,
 University of Mysore, Mysore.

Dr. A. Rambabu,
 Tata Institute of Social Sciences, Mumbai

Experts, *Workshop on Assessment of Sociology Texts*, held at CIIL.

NTM Database Status : Found prescribed 24 times in Indian Universities.

Book Description: For today's readers to understand the history of sociological theories more is required than a knowledge of formal propositions and theoretical structures. In this impressive and enduring text, Coser elucidates his examination of the ideas of fifteen influential sociological thinkers with a discussion of the social and intellectual circumstances that surrounded them. Each of the first fourteen chapters follows a parallel organization. The first section is a capsule summary of the scholar's work-his main orientations, ideas, and contributions. Next is a short sketch of his life-his struggles and successes; the influences of his family, peers, and superiors; and his involvement in community affairs. The third section locates him and his work in the texture of a particular moment in intellectual history. The concluding section addresses sociological questions such as: What were the social origins of the theorist? Did crucial events (e.g., war, depression, revolution) help fashion his orientations in ways similar to those of others in his generation? The final chapter presents a less-detailed discussion of major American theorists whose theories emerged between the 1940s and 1960s.

Quotes :

This piece includes all the greats within social thought (that truly should be included). I use this as a text for my Social Thought course. It is especially nice that "revisionists" thinking concerning the greats that had the largest impact on the field of sociology have not corrupted the presentation of the material included in this text. Coser also made some various difficult concepts to understand well-organized and highly understandable - outstanding job!

- Will Tinney

BOOK 2

Author Name	: Gisbert, P. S. J.(1957)
Book Title	: <i>Fundamentals of Sociology</i>
Publisher	: Orient Longman
Latest Edition	: 3 rd edition. (January 1, 2004)
Binding	: Paperback
Pages	: 514
Price	: \$ 60.39
ISBN No	: 8125005153
ISBN No-13	: 978-8125005155

Suggested by :
 Prof. Gururaj Bidekar,
 Chairman, Department of Studies in Sociology,
 University of Mysore, Mysore.

Dr. A. Rambabu,
 Tata Institute of Social Sciences, Mumbai

Experts, *Workshop on Assessment of Sociology Texts*, held at CIIL.

NTM Database Status : Found prescribed 21 times in Indian Universities.

Book Description : P Gisbert's comprehensive book has proved of great use to both students and teachers of Sociology. The third edition is especially detailed in the parts dealing with the economics system and industry, population and food supply, where the greatest changes have occurred over the decades. Among the useful chapters are those on socialization and social control, and on industry as an agent of social change. Due importance is given to forces such as industrialization and the Green Revolution that have helped to shape of modern Indian Society.

BOOK 3

Author Name	: Giddens, A.
Book Title	: <i>Sociology</i>
Publisher	: Blackwell Pub
Latest Edition	: 6 th edition (June 3, 2009)
Binding	: Paperback
Number of Pages	: 1000
Price	: \$ 44.35
ISBN No	: 0745643582
ISBN No-13	: 978-0745643588
Suggested by	: <p>Prof. Gururaj Bidekar, Chairman, Department of Studies in Sociology, University of Mysore, Mysore.</p> <p>Dr. A. Rambabu, Tata Institute of Social Sciences, Mumbai</p>
	Experts, <i>Workshop on Assessment of Sociology Texts</i> , held at CIIL.

NTM Database Status : Found prescribed 20 times in Indian Universities.

Book Description : The sixth edition of Anthony Giddens "Sociology" is the best yet. Revised and updated throughout, it provides an authoritative overview of recent global developments and new ideas in sociology. Classic debates are also given careful coverage, with even the most complex ideas explained in an engaging way. Written in a fluent, easy-to-follow style, the book manages to be intellectually rigorous but still very accessible. It aims to engage and excite readers, helping them to see the value of thinking sociologically. The sixth edition includes: substantive new material on education, media, social theory, inequalities, politics and government, and a whole new chapter on war and terrorism; further revisions and updating in all the chapters; a strong focus on global sociology, and the sociological imagination; new 'classic studies' boxes, which examine in detail influential empirical research; additional 'thinking critically' sections woven through the text, to stimulate students' own insights; specially chosen, and eye-catching photographs, which capture the everyday drama of the social world. A best-selling textbook for more than 20 years, the sixth edition sets the standard for introductory sociology. It is the ideal teaching text for first-year University and college courses, and will help to inspire a new generation of sociologists.

Quotes:

"With this new edition of Sociology, Anthony Giddens has done the seemingly impossible. He has lifted the best introductory text in sociology in the world to yet a further level of excellence. It is a great achievement."

- Ulrich Beck, London School of Economics

"There's no one on the planet with such a refined grasp of the practical and political significance of sociology as Anthony Giddens. This new edition of his best-selling textbook is his best yet."

- Anthony Elliott, University of Kent at Canterbury.

BOTANY

BOOK 1

Author Name : Salisbury.F B. and Ross C. W (1969)

Book Title : *Plant Physiology*

Publisher : Wadsworth

Latest Edition : (2004)

Binding : Paperback

Price : 495.00 INR

ISBN No : 8131501655,

ISBN No-13 : 9788131501658, 978-8131501658

Suggested by

:

Bijoy Kumar,
Chairman, CSTT, New Delhi

Prof. K. A. Raveesha

Department of Botany, University of Mysore, Mysore

Prof. Uma Jaiswal

Head of the Department, Department of Botany, Mahila Mahavidyalaya,
Banaras Hindu University, Banaras

NTM Database Status : Found prescribed 11 times in Indian Universities.

Book Description : The text provides a broad explanation of the physiology for plants (their functions) from seed germination to vegetative growth, maturation, and flowering. It presents principles and results of previous and ongoing research throughout the world. The forth edition follows the general pattern of the third edition (1985) closely. There are four major sections. The first covers cell structure, water relations, mineral nutrition, ion uptake and phloem transport. The second deals with enzyme action, photosynthesis, respiration, assimilation of nitrogen and sulphur, lipids and various plant products. Although this section is entitled 'Plant Biochemistry', it also incorporates a chapter on the carbon cycle and environmental aspects of photosynthesis. The third section, 'Plant Development', contains growth, morphogenesis, hormones movements, rhythms and responses to lights and temperature. The final section is briefer, of two chapters only, on 'Environmental Physiology'. There are also appendices on units; measurement of radiant energy; and the processes of gene replication, transcription and translation.

Quotes :

"The book can be recommended as a text for reference and reading, to both university teachers and students of plant physiology. It somewhat advanced for first year course, but it is the kind of book that one could recommend to the students at the beginning of their degree course, as an investment that will stand them in good stead throughout their years at college...this is a good solid informative text well worth buying."

- H.Opik in his review of the book

BOOK 2

Author Name	: De Roberttis.E D P. and De Roberttis.E M F (1987)
Book Title	: <i>Cell and Molecular Biology</i>
Publisher	: Lea Febiger
Latest Edition	: (2001)
Binding	: Hardcover
Number of Pages	: 720
ISBN No	: 0812110129,
ISBN No-13	: 978-0812110128
Price	: \$79.99
Suggested by	: Bijoy Kumar, Chairman, CSTT, New Delhi

Prof. K. A. Raveesha
 Department of Botany, University of Mysore, Mysore

Prof. Uma Jaiswal
 Head of the Department, Department of Botany, Mahila Mahavidyalaya,
 Banaras Hindu University, Banaras

NTM Database Status : Found prescribed 6 times in Indian Universities.

Quotes :

"This book offer an interesting viewpoint about cell biology. I believe that this textbook is principally for those who are looking for different treatment of the most basic issues in molecular biology. I mean, different from the common viewpoint that the English-speaking authors commonly offers and, of course, always maintaining the accuracy in all topics. Easy to read and very clear in the explanations. It's written by two Argentinean authors (father and son) and its first edition was in 1940. The last edition in Spanish was in 1995 and is totally up-to-date. There were traditions at least in ten languages, including English."

- Ramiro Logares in his review of the book

CHEMISTRY

BOOK 1

Author Name	: Cotton, F. A. and Wilkinson, G. (1962)
Book Title	: <i>Advanced Inorganic Chemistry: A Comprehensive Text</i>
Place of Publication	: New York
Publisher	: Interscience Publishers
Latest Edition	: 6 th Edition (2007), Wiley India
Binding	: Paperback
Number of pages	: 1376
Price	: 579.00 INR
ISBN No	: 8126513381, 9788126513383

Suggested by :
 Prof. Sneha Sudha Komath,
 School of Life Sciences,
 Jawaharlal Nehru University,
 New Delhi.

Prof. Nagendrappa,
 Chairman, School of Chemistry,
 University of Mysore, Mysore.

Dr. Pankaj Bharali,
 National Institute of Advanced Industrial Science and Technology (AIST),
 Osaka, Japan.

NTM Database Status : Found prescribed over 50 times in Indian Universities.

Book Description : The book has sold half a million copies and been the standard textbook for half a century. It is not only a good introduction to the subject but was very different from earlier texts. The book's examination of cluster chemistry, homogeneous catalysis and, in particular, organometallic chemistry led to a fundamental shift in the way in which inorganic chemistry was studied. A closer focus on the molecular structure of compounds is attributed as an effect of this work in Chemistry. It seemed to be symbolic of the renaissance in inorganic chemistry starting in the 1950s. Every new text in inorganic chemistry since this text has had to respond to it.

The sixth edition has two additional authors, Carlos A. Murillo and Manfred Bochmann, added to it. The edition follows previous ones in organization and style but its content has been thoroughly revised. To keep the book at a reasonable length and weight, some basic topics (e.g., structures of solids, VSEPR, Walsh diagrams, hybridization) present in previous editions have been eliminated.

Quotes :

"As such, this venerable bible of inorganic chemistry should undoubtedly be part of every chemist's personal library and I recommend it wholeheartedly."

- Daniel Rabinovich,
Department of Chemistry, The University of North Carolina at Charlotte

BOOK 2

Author Name	: Finar, I. L. (1954, 2 nd Edition)
Book title	: <i>Organic Chemistry</i> Vol - 1
Place of Publication	: New York
Publisher	: Longmans Green and Co
Latest Edition	: 6 th Edition (2008), Pearson Education (Singapore) Pte. Ltd.
Binding	: Paperback
Number of pages	: 746 (2 nd Edition)
Price	: 685.00 INR
ISBN No	: 8177585428, 9788177585421

BOOK 3

Author Name	: Finar, I. L. (1956)
Book Title	: <i>Organic Chemistry: Stereochemistry and the Chemistry of Natural Products</i> Vol - 2
Place of Publication	: New York
Publisher	: Longmans Green and Co
Latest Edition	: 5 th Edition (1975), Pearson.
Binding	: Paperback
Number of pages	: 743
Price	: 699.00 INR
ISBN No	: 8178081644, 9788178081649
Suggested by	: <p>Prof. Sneha Sudha Komath, School of Life Sciences, Jawaharlal Nehru University, New Delhi.</p> <p>Dr. Pankaj Bharali, National Institute of Advanced Industrial Science and Technology (AIST), Osaka, Japan.</p>

NTM Database Status : Found prescribed over 50 times in Indian Universities.

Book Description : Organic Chemistry is a well-established two-volume textbook for students studying chemistry at degree level. The aim to describe the fundamental principles is well accomplished in the presentation of a comprehensive treatment of organic chemistry in terms of modern concepts. The author presents, in clear, concise style, fundamental organic chemistry in the traditional pattern (atomic structure, aliphatics, alicyclics, aromatics, and heterocyclics) in the light of electronic interpretations and reaction mechanisms. Volume 2 carries the material of Volume 1: Fundamental Principles to a more advanced level. The author provides a comprehensive introduction to the relationship between physical properties and chemical structures, and then proceeds to a detailed account of stereochemistry. The later chapters are devoted to the most typical compounds of natural products and the problems involved. Each chapter is concise, thoroughly up-to-date and concludes with a brief but stimulating list of references. A selected number of reading references are given at the end of each chapter.

Quotes :

“Dr. Finar has succeeded nobly in presenting, in dear, concise style, fundamental organic chemistry in the traditional pattern (atomic structure, aliphatics, alicyclics, aromatics, and heterocyclics) in the light of electronio interpretations and reaction mechanisms.”

- Roy G Bossort on Vol. 1

“The author has guided a sensible course through the prolific array of information with remarkable continuity.”

- John Leo Abernethy,
Fresno State College,
Fresno, California on Vol. 2

MATHEMATICS

BOOK 1

Author Name	: Walter, R.
Book Title	: <i>Principles of Mathematical Analysis</i>
Publishing Date	: June 2001
Publisher	: Mc Graw-Hill
Binding	: Paperback
Number of Pages	: 352
Price	: 286.00 INR
ISBN No	: 0070856133
ISBN No-13	: 978-0070856134

Suggested by :
 Prof. Rajat Tondon,
 Head, Department of Mathematics,
 University of Hyderabad, Hyderabad.

Prof. M.N.Mukherjee,
 Head, Department of Pure Mathematics,
 University of Calcutta, Kolkata.

Prof. R.C.Chakravarti,
 Head, Department of Mathematics,
 Cochin University of Technology,
 Kochi.

NTM Database Status : Found prescribed 22 times in Indian Universities.

Book Description: The third edition of this well known text continues to provide a solid foundation in mathematical analysis for undergraduate and first-year graduate students. The text begins with a discussion of the real number system as a complete ordered field. (Dedekind's construction is now treated in an appendix to Chapter I.) The topological background needed for the development of convergence continuity differentiation and integration is provided in Chapter 2. There is a new section on the gamma function and many new and interesting exercises are included.

Quotes:

"Principles of Mathematical Analysis by Walter Rudin can rightly be called "the Bible of classical analysis". I have seen it cited in more books than I can count. And after a full year of working through the book in graduate school, I can see why. As many other reviewers here have pointed out, this book requires more than a little of that magical quality called "mathematical maturity". Simply defined, "mathematical maturity" is the ability to read between the lines and fill in the gaps in a given mathematical text."

"It is not possible to overstate how good this book is. I tried to give it uncountably many stars but they only have five. Five is an insult. I'm sorry Dr. Rudin..."

BOOK 2

Author Name	:	Hernstein. I.N
Book Title	:	<i>Algebra</i>
Publishing Date	:	November 2006
Publisher	:	Wiley India
Binding	:	Paperback
Number of Pages	:	400
Price	:	298.00 INR
ISBN No	:	8126510188
ISBN No-13	:	978-8126510184

Suggested by :

Prof. Rajat Tondon,
Head, Department of Mathematics,
University of Hyderabad, Hyderabad.

Prof. M.N.Mukherjee,
Head, Department of Pure Mathematics,
University of Calcutta, Kolkata.

Prof. R.C.Chakravarti,
Head, Department of Mathematics,
Cochin University of Technology,
Kochi.

NTM Database Status : Found prescribed 46 times in Indian Universities.

Book Description: This book on algebra includes extensive revisions of the material on finite groups and Galois Theory. Furthermore the book also contains new problems relating to Algebra.

Quote:

"A very engaging book. The proofs are very carefully written and the flow of logic and ideas is impeccable. I once crammed before an exam and read about 120 pages in a single evening and it just "clicked", enjoying the book more and more as I read on. The definitions and proofs flow very nicely and are always at the right level of rigor. In my opinion, this is a classic of exposition in Abstract Algebra."

I wonder if all the reviews I see are of "Topics in Algebra", 2nd ed. or "Abstract Algebra", 3rd ed. The second book is a good undergraduate introduction. However, Topics could be used at the graduate level. I. N. Herstein was a great authority and his writing has unusual clarity. Topics are not only more advanced than the other but I think it is simply the better book. The first edition helped me in graduate school some thirty years ago. The treatment of group theory is particularly rich, with a thorough explication of the Sylow theorems."

PHYSICS

BOOK 1

Author Name	: Feynman, R.P., Leighton, R. B., Sands, M. L
Book Title	: <i>The Feynman Lectures on Physics (3 Volume Set)</i>
Place of Publication	: Addison Wesley Longman (June 1970)
Latest Edition	: 6 th edition (2004)
Binding	: Paperback
Number of pages	: 1552
Price	: \$ 63.69
ISBN No-13	: 978-0201021158
Suggested by	: <p>Prof. Satish Chand Abbi, Indian Institute Technology, Delhi.</p> <p>Prof. Rupamanjari Ghosh, Jawaharlal Nehru University, New Delhi.</p> <p>Prof. A K Jain, Indian Institute Technology, Roorkee.</p> <p>Prof. A. Pradhan, Indian Institute Technology, Kanpur.</p>

NTM Database Status : Found prescribed 10 times in Indian Universities

Book Description : This three volume work was originally designed for a two-year introductory physics course given at the California Institute of Technology - a course designed to take advantage of readers' increasing mathematical prowess and to provide a more comprehensive view of modern-day physics. It is a rigorous undertaking that resulted in a classic reference work for anyone interested in physics.

Quotes :

"I was spellbound. It was unimaginable to me that a subject so full of technical detail, formulas and equations, could be brought to life so brilliantly and vividly."

"I hold the opinion that Richard Feynman was the best physics teacher of all times. I keep his three red volumes always at the main position of my bookshelves, aside Dirac's "Principles of Quantum Mechanics" and the Landau-Lifshitz collection. What is it that puts them in a class apart from every other introductory text?"

Status of availability in regional languages: Available in Kannada.

BOOK 2

Author Name	: Halliday, D., Resnick, R, Walker, J.(1970)
Book Title	: <i>Fundamentals of Physics</i>
Place of Publication	: John Wiley and Sons
Latest Edition	: 9 th edition (2010)
Binding	: Hardcover (of the latest edition)
Number of pages	: 1136
Price	: \$ 201.95
ISBN No	: 0470469110, 9780470469118

Suggested by :
 Prof. Satish Chand Abbi,
 Indian Institute Technology, Delhi

Prof. Rupamanjari Ghosh,
 Jawaharlal Nehru University,
 New Delhi.

Prof. A K Jain,
 Indian Institute Technology, Roorkee

Prof. A. Pradhan,
 Indian Institute Technology, Kanpur.

NTM Database Status : Found prescribed 6 times in Indian Universities.

Book Description : This book arms engineers with the tools to apply key physics concepts in the field. A number of the key figures in the new edition are revised to provide a more inviting and informative treatment. The figures are broken into component parts with supporting commentary so that they can more readily see the key ideas. Material from The Flying Circus is incorporated into the chapter opener puzzlers, sample problems, examples and end-of-chapter problems to make the subject more engaging. Checkpoints enable them to check their understanding of a question with some reasoning based on the narrative or sample problem they just read. Sample Problems also demonstrate how engineers can solve problems with reasoned solutions.

Quotes :

“Very interesting and dense book to help you understand the fundamental properties of bigger things.”
 - J. Ortony

“Covers all of the given aspects of the topics. Includes applications and proofs using calculus. This book is an essential for most college level physics courses.”
 - Benjamin Valkai

Status of availability in regional languages: Available in Oriya, Telugu, Punjabi.

COMPUTER SCIENCE

BOOK 1

Author Name	: Aho, A. V., Lam, M. S., and Sethi, R., and Ullman, J. D. (1986)
Book Title	: <i>Compilers: Principles, Techniques, and Tools</i>
Publisher	: Addison Wesley
Latest Edition	: 2 nd edition (2006)
Binding	: Hardcover
Number of pages	: 1000
Price	: \$ 106.00
ISBN No	: 0321486811
ISBN No-13	: 9780321486813
Suggested by	: <p>Dr. Kavi Narayana Murthy, Professor, Department of Computer and Information Sciences, University of Hyderabad, Hyderabad. (Presently, Fellow at CIL)</p> <p>Prof. Hemant Darbari Executive Director, C-DAC, Pune</p> <p>Dr. S. Guru Associate Professor, Department of Computer Science, University of Mysore, Mansasgangotri, Mysore.</p> <p>Prof. Pushpak Bhattacharya, Department of Computer Science and Engineering, Indian Institute of Technology, Mumbai.</p>

NTM Database Status: Found prescribed 6 times in Indian Universities.

Book Description : *Compilers: Principles, Techniques, and Tools* is a famous computer science textbook by Alfred V. Aho, Ravi Sethi, and Jeffrey D. Ullman about compiler construction. Although three decades have passed since the publication of the first edition, it is widely regarded as the classic definitive compiler technology text. It is known as the Dragon Book because its covers depict a knight and a dragon in battle, a metaphor for conquering complexity. The first edition is informally called the “red dragon book” to distinguish it from the second edition and from Aho & Ullman’s *Principles of Compiler Design* (1977, sometimes known as the “green dragon book” because the dragon on its cover is green). A new edition of the book was published in August 2006.

Quotes :

“This is a comprehensive and easy to understand text. It covers all the fundamental stages of compiler design, with plenty of explanation (both practical and theoretical). It doesn't exhaustively cover every conceivable topic, but it does leave you with a good taste of what's involved. Of course, it is not a book for beginning programmers, and there are very few code examples. Judging by the comments of some

reviewers, I would suspect that they gave poor reviews because they lacked the prerequisite background (familiarity with a good HLL like C, data structures, mathematical background etc). As with any 'advanced' topic in computer science, there is quite a lot expected from you. Upon first reading, some topics occasionally seem overwhelming. Welcome to Earth. This is where your library card comes in. Do a little research and then come back to this text; you'll find that it is well organized and extremely clear. If you want a cookbook this book isn't for you. If you want a solid understanding of compiler fundamentals then this book is your best bet."

"For those interested in the more general and theoretical principles behind compilers, this book can still serve as a good introduction in that regard. More modern treatments are available to those who need more information on modern developments in compilers, such as optimization, partial evaluation, etc. The book covers lexical analysis, parsing techniques, syntax-directed translation, static semantic checking, type checking, unification, target code generation, and compiler code optimization. All of these are discussed in great detail, the C language is chosen to write the compiler coding, and numerous exercises are put at the end of the each chapter. The reader can also gain an insight into the historical origins of the subject."

BOOK 2

Author Name	: Knuth, D. E.
Book Title	: <i>The Art of Computer Programming</i> [Volumes 1-3 Boxed Set - 2nd Edition]
Place of Publication	: Addison-Wesley Professional
Latest Edition	: 2 nd edition (1998)
Binding	: Hardcover
Number of pages	: 896
Price	: \$ 159.99
ISBN No	: 0201485419
ISBN No-13	: 978-0201485417

Suggested by :

Dr. Kavi Narayana Murthy,
 Professor, Department of Computer and Information Sciences,
 University of Hyderabad, Hyderabad.
(Presently, Fellow at CIIL)

Prof. Hemant Darbari
 Executive Director, C-DAC, Pune

Dr. S. Guru,
 Associate Professor, Department of Computer Science,
 University of Mysore,
 Mansagangotri, Mysore.

Prof. Pushpak Bhattacharya,
 Department of Computer Science and Engineering
 Indian Institute of Technology, Mumbai.

NTM Database Status : Found prescribed 5 times in Indian Universities.

Book Description : Knuth's multivolume work, widely recognized as the definitive description of classical computer science, is now available in an attractive, boxed set. The three volumes included in this set have each been revised recently to reflect developments in the field. As earlier editions clearly demonstrated, they comprise an invaluable resource in programming theory and practice for students, researchers, and practitioners alike. Countless readers have spoken about the profound personal influence of Knuth's work. Scientists have marveled at the beauty and elegance of his analysis, while ordinary programmers have successfully applied his "cookbook" solutions to their day-to-day problems. All have admired Knuth for the breadth, clarity, accuracy, and good humor found in his books. Within the computer science community it is regarded as the first and still the best comprehensive treatment of its subject. American Scientist has included this work among "100 or so books that shaped a Century of Science", referring to the 20th century.

Quotes :

"If you think you're a really good programmer . . . read (Knuth's) Art of Computer Programming . . . You should definitely send me a résumé if you can read the whole thing." The New York Times referred to it as "the profession's defining treatise".

- Bill Gates
on the Covers of the third edition of Volume 1

Mechanical Engineering

BOOK 1

Author Name	: Holman, J. P. (1963)
Book Title	: <i>Heat Transfer</i>
Place of Publication	: New York
Publisher	: McGraw-Hill
Latest Edition	: 10 th Edition (2009)
Binding	: Hardcover
Number of pages	: 752
Price	: \$162.25
ISBN No	: 0073529362
ISBN No-13	: 978-0073529363
Suggested by	: <p>Dr. A. N. Hari Rao, Professor of Mechanical Engineering SJCE, Mysore</p> <p>Prof. Bharat Chandra Routra School of Mechanical Engineering, Kalinga Institute of Technology, Bhubaneshwar</p> <p>A.M.K. Prasad, Head, Department of Mechanical Engineering, OUE, Hyderabad.</p>

NTM Database Status: Found prescribed 5 times in Indian Universities

Book Description:

As one of the most popular heat transfer texts, Jack Holman's Heat Transfer is noted for its clarity, accessible approach, and inclusion of many examples and problem sets. It presents an elementary and classical treatment of principles of heat transfer with emphasis on physical understanding while relying on meaningful experimental data in those situations that do not permit a simple analytical solution. The new tenth edition retains the straight-forward, to-the-point writing style while covering both analytical and empirical approaches to the subject. New examples and templates provide students with updated resources for computer-numerical solutions.

Quotes :

“The language used constitutes what should be an "industrial standard" for engineering textbooks. It keeps the level of attention peaking by avoiding loose talk and wordy explanations where this is not required. This is (academic) literature in its truest sense. I own about 50 science/engineering texts within fluid mechanics, solid mechanics/dynamics, mathematics, physics and more. Among these, this book is top three - no small feat.”

- A customer in amazon.com

BOOK 2

Author Name	: Shigley, J. E. (1972)
Book Title	: <i>Mechanical Engineering Design</i>
Place of Publication	: New York
Publisher	: McGraw-Hill
Latest Edition	: 8 th Edition (2006)
Binding	: Hardcover
Number of pages	: 992
ISBN No	: 0073121932
ISBN No-13	: 978-0073121932
Suggested by	: <p style="margin-left: 20px;">Dr. A. N. Hari Rao, Professor of Mechanical Engineering SJCE, Mysore</p> <p style="margin-left: 20px;">A.M.K. Prasad, Head, Department of Mechanical Engineering, OUE, Hyderabad.</p>

NTM Database Status: Found prescribed 9 times in Indian Universities

Book Description:

The eighth edition of "Shigley's Mechanical Engineering Design" maintains the basic approaches that have made this book the standard in machine design for over 40 years. At the same time it combines the straightforward focus on fundamentals instructors have come to expect with a modern emphasis on design and new applications. Overall coverage of basic concepts are clear and concise so that readers can easily navigate key topics. Problem sets have been improved, with new problems added to help students progressively work through them. The book has included ARIS, which will have algorithmic problems. The new co-author, Keith Nisbett has been brought on to this project and has added a key case study on power transmission. All standards have been updated, which will make this the most current text! The 8th edition of "Shigley's Mechanical Engineering Design" features a major new case study developed to help illuminate the complexities of shafts and axles. It includes new Finite Elements Chapter - an important modern topic. Parts I and II have been streamlined to improve readability and simplify the presentation without sacrificing content. Part III has been updated to reflect current standards, making this the most current book out in the market in terms of standards.

LAW**BOOK 1**

Author Name	: V.N. Shukla
Book Title	: <i>Constitution of India</i> [Edited by: M.P.Singh]
Place of Publishing	: Lucknow
Publisher	: Eastern Book Company
Edition	: 11 th edition (2010 with Supplement)
Pages	: 1328
Price	: 590.00 INR
ISBN No	: 8170127149
ISBN No-13	: 978-8170127147
Suggested by	: <p>Justice N.N.Mathur. Vice Chancellor, National Law University, Jodhpur, Rajasthan.</p> <p>Prof. S.N.Singh, Head & Dean, Faculty of Law, University of Delhi, New Delhi.</p> <p>Prof. C.Basavaraju, Department of Studies in Law, University of Mysore, Mysore.</p> <p>Prof. P.Eshwar Bhat, Department of Studies in Law, University of Mysore, Mysore.</p> <p>Dr.Nagendra Murthy, M.P. JSS Law College, Mysore.</p>

NTM Database Status : Found prescribed 8 times in Indian Universities.

Book Description: The 11th h edition of V. N. Shukla's Constitution of India provides a reflective, lucid and comprehensive account of the Indian Constitution. First published in 1950, the book has consistently grown in popularity. The Indian Supreme Court cited the 10th Edition in Rameshwar Prasad V. Union of India, [(2006) 2 SCC 1], and the 7th Edition in Umaji Keshnao Meshram V. Radhikabai, 1986 [(Supp) SCC 401], while the Constitutional Court of South Africa cited the 9th Edition in Nalandazeli Fose V. The Minister of Safety and Security (case CCT 44/96). Prof. Singh has thoroughly revised and brought up to date the 11th Edition; including the latest Constitutional Amendments and Supreme Court decisions on issues such as, equality and affirmative action, education, women's rights, and principles of constitutionalism and judicial review, which have far reaching implications on individual rights and for the State. This book is not only valuable for legal scholars, judges, practitioners, government officials and NGOs, but for anyone interested in learning about the principles on which we govern and are governed.

Quotes:

"Precise and yet lucid accounts of the rationale in scores of leading decisions of the Supreme Court of India is the chief strength of this text."

- *Malayan Law Review, Singapore*

"It is a lawyer's book as well. The scholars of multi-disciplines may be tempted to have it in view of its lucid style and valuable and detailed information. The present reviewer has no hesitation in saying that today the book has attained the status of one of the leading commentaries on the Constitution of India."

- *Journal of the Indian Law Institute*

Status of Availability in Indian Languages: Available in Telugu

BOOK 2

Author Name	: M P Jain (1962)
Book Title	: Indian Constitutional Law
Place of Publication	: Nagpur
Publisher	: Lexis Nexis Butterworths, Wadhwa Publications
Latest Edition	: 2002 (reprint 2008).
Number of pages	: 3396
Price	: 795.00 INR
ISBN No	: 9788180382635

Suggested by	: Justice N.N.Mathur, Vice Chancellor, National Law University, Jodhpur, Rajasthan. Prof. S.N.Singh, Head & Dean, Faculty of Law, University of Delhi, New Delhi Prof. C.Basavaraju, Department of Studies in Law, University of Mysore, Mysore. Prof. P. Eshwar Bhat, Department of Studies in Law, University of Mysore, Mysore. Dr.Nagendra Murthy, M.P. JSS Law College, Mysore.
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NTM Database Status: Found prescribed 8 times in Indian Universities.

Book Description : The book contains chapters on Constitutional Law, Historical Perspectives, Salient Features of the Indian Constitution, Modern Constitution, Parliament, the Central Executive, The Supreme Court, States and Union Territories, the State legislature, Executive, Judiciary, the Federal System, Legislative, Financial, Administrative Relations, Freedom of Trade and Commerce, Political and Civil Rights, Fundamental Rights, Directive Principles of State Policy and Basic Duties, Safeguards to Minorities, Scheduled Castes, Scheduled Tribes and Backward Classes, Constitutional Interpretation, Judicial Review, etc., with reference to various committee reports, Case Law and exhaustive commentary. This is not the usual section-wise treatment with spattering of comments, but a thorough and exhaustive study of subject in narrative form, giving coherent and integrated picture of the Indian Constitution as a whole. Adequate references have been made to foreign constitutions such as the U.S.A., Canada, U.K. and Australia, so as to give a comparative perspective of the Indian Constitution. References have also been made to the latest case-law.

MEDICAL SCIENCE

BOOK 1

Author Name	: Ganong, W.F (1963)
Book Title	: <i>Review of Medical Physiology</i>
Publisher	: Mc Graw-Hill Medical
Latest Edition	: 23 rd edition (2009)
Binding	: Paperback
Number of pages	: 726
Price	: £ 36.91
ISBN	: 0071605673
ISBN-13	: 9780071605670
Suggested by	: <p>Dr. Rahul Kumar, Banaras Hindu University, Banaras.</p> <p>Dr. Yatish Agarwal, Professor of Radiology, Safdarjung Hospital, New Delhi</p> <p>Dr. Manjunath, Dean & HOD, Department of Physiology, Mysore Medical College, Mysore.</p>

NTM Database Status: Found prescribed 3 times in Indian Universities.

Book Description: For more than four decades, *Ganong's Review of Medical Physiology* has been the leader in helping medical students and clinicians understand the fascinating subject of human and mammalian physiology. *Ganong's Review of Medical Physiology* incorporates examples from clinical medicine throughout the chapters to illustrate important physiologic concepts. The authors have worked with an outstanding team of medical illustrators, photographers, educators, and students to give you an unmatched collection of illustrations and tables. Whether you're a student who needs an outstanding review for the USMLE or a physician who wants to keep pace with the ever-changing field of medical physiology, there's no better place to turn than *Ganong's Review of Medical Physiology*.

Quotes :

“Comprehensive enough yet not brain numbing - surprisingly enough! One of the few medical books that I have ever read cover to cover! Highly recommended!”

“This book conveys tremendous information on all aspects of the physiological basis of medicine. It will be a valuable guide to go into the depths of medicine.”

BOOK 2

Author Name	: Bailey, H., and Love, (1963)
Book Title	: <i>Short Practice of Surgery</i>
Publisher	: Hodder Arnold
Latest Edition	: 25 th edition (2008)
Binding	: Hardcover
Number of pages	: 1536
Price	: £ 105.43
ISBN	: 034093932X
ISBN-13	: 978-0340939321
Suggested by	:

Dr. Rahul Kumar,
Banaras Hindu University, Banaras

Dr. Yatish Agarwal,
Professor of Radiology,
Safdarjung Hospital, New Delhi.

Dr. Venkatesh,
Director, Mysore Medical College, Mysore.

NTM Database Status: Found prescribed 3 times in Indian Universities.

Book Description: Bailey and Love's *Short Practice of Surgery* remains one of the world's pre-eminent medical textbooks, beloved by generations of surgeons, with lifetime sales in excess of one million copies. Now in its 25th edition, the content has been thoroughly revised and updated while retaining its traditional strengths. The new edition opens with sections devoted to the underlying principles of surgical practice, investigation and diagnosis, and pre-operative care. These are followed by chapters covering all aspects of surgical trauma.

Bailey and Love has a wide appeal to all those studying surgery, from undergraduate medical students to those in preparation for their postgraduate surgical examinations. In addition, its high standing and reputation for unambiguous advice also make it the first point of reference for many practising surgeons. The changes that have been introduced to the 25th edition will only serve to strengthen support for the text among all these groups

Quotes :

"This is the sort of book that inspires people to study medicine ... I would heartily recommend this book to any medical student, and it is essential and fascinating reading for students aiming for a career in surgery."

- Ann-Louise Lowson,
GKT Gazette

"This is unique among books of its size. It is a worthy successor to Hamilton Bailey's original, and it remains true to the spirit of that text. It has been brought completely up to date with this most recent edition. 4 Stars!"

- Carol EH Scott

Conner, University of Iowa Hospitals, Doody Publishing

They say that every journey starts with a single step. The Mission's goal is to bring 8000 knowledge text translations in Indian languages. The present task was to zero in on one undergraduate level book in ten disciplines to be translated by NTM. Project Advisory Committee of NTM (NTM-PAC) had suggested that each book should be vouched at least by three experts of the concerned discipline to avoid errors of judgement. The same list of books also needed to be cross-checked with their status in the NTM-Indian Universities Database.