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Unsaturated and Saturated Soils  
Soil Mechanics and Foundations  
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Soil Mechanics and Foundation Engineering, 2e  
Waste Water Engineering  
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LIMIT STATE DESIGN OF REINFORCED CONCRETE  
Principles and Practices of Soil Mechanics and  
Foundation Engineering  
Limit State Design of Reinforced Concrete  
SMTS-II Theory of Structures  
Comprehensive Rcc.Designs  
Irrigation and Water Power Engineering

*Geotechnical Engineering* **8824516716350**  
*Punmia Text* *OMB No. edited by*

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**JAYLEN OSBORN**

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**REINFORCED  
CONCRETE  
STRUCTURES VOL. I**

Firewall Media  
In this book, a chapter  
on stability of slopes

has been included as most of the universities cover this in the first course of Geotechnical Engineering. The contents of this volume are written at a basic level suitable for a first course in Geotechnical Engineering. This book highlights the basic

principles of soil mechanics along with applications to many problems in Geotechnical Engineering. The material is covered in a very simple, clear and logical manner. A number of solved and exercise problems have been included in each chapter.

Unsaturated and Saturated Soils

Geotechnical Engineering  
A must have reference for any engineer involved with foundations, piers, and retaining walls, this remarkably comprehensive volume illustrates soil characteristic concepts with examples that detail a wealth of practical considerations, It covers the latest developments in the

design of drilled pier foundations and mechanically stabilized earth retaining wall and explores a pioneering approach for predicting the nonlinear behavior of laterally loaded long vertical and batter piles. As complete and authoritative as any volume on the subject, it discusses soil formation, index properties, and classification; soil permeability, seepage, and the effect of water on stress conditions; stresses due to surface loads; soil compressibility and consolidation; and shear strength characteristics of soils. While this book is a valuable teaching text for advanced students, it is one that the practicing engineer will continually be taking

off the shelf long after school lets out. Just the quick reference it affords to a huge range of tests and the appendices filled with essential data, makes it an essential addition to an civil engineering library.

*Soil Mechanics and Foundations* Firewall Media

★ABOUT THE BOOK: Soil Mechanics and Foundation Engineering (Geo technical Engineering) is a fast developing branch of Civil Engineering and its study is essential for the successful execution and maintenance of several civil engineering works. The subject of Soil Mechanics and Foundation Engineering forms a part of the curriculum for the students of Civil

Engineering. A good text book for the subject is therefore necessary to facilitate proper comprehension of the subject by the students. There are several books available on the subject Soil Mechanics and Foundation Engineering, but the author feels that each of the available books is lacking in one respect or the other. As such none of the available books on the subject is complete in all respects. The author has therefore made an earnest attempt to bring out a book on the subject which may be reckoned as a complete text book in all respects. The text of the book has been divided in two Parts. The Part I deals with the Fundamental Principles of Soil

Mechanics. The Part II deals with the Earth Retaining Structures and Foundation Engineering. The subject matter has been presented in a simple unambiguous language which is easy to comprehend. The book covers the syllabus of this subject prescribed by the most of the Indian Universities for the undergraduate courses.

★OUTSTANDING FEATURES : The text has been divided into 2 parts:- (i) Fundamental principles of soil mechanics (ii) Earth retaining Structures & Foundation Engg. The text has been supported by:- (i) Illustrative Examples. (ii) Multiple Choice Ques. (Provided in Appendix) (iii) Competitive

Examination Ques. For Eng. Services, Indian Civil Service & those preparing for AMIE examinations

★RECOMMENDATIONS: Degree, Diploma and A.I.M.E. (India)

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 find information they  
 must refer to every  
 working day, in one  
 compact source. Edited  
 by Robert W. Day, the  
 time -and effort-saving  
 Geotechnical  
 Engineer's Portable

Handbook gives you  
 field exploration  
 guidelines and lab  
 procedures. You'll find  
 soil and rock  
 classification, basic  
 phase relationships,  
 and all the tables and  
 charts you need for  
 stress distribution,  
 pavement, and pipeline  
 design. You also get  
 abundant information  
 on all types of  
 geotechnical analyses,  
 including settlement,  
 bearing capacity,  
 expansive soil, slope  
 stability - plus  
 coverage of retaining  
 walls and building  
 foundations. Other  
 construction-related  
 topics covered include  
 grading,  
 instrumentation,  
 excavation,  
 underpinning,  
 groundwater control  
 and more.  
**Surveying: V. 2** New  
 Age International

This Volume Is One Of The Two Which Offer A Comprehensive Course In Those Parts Of Theory And Practice Of Plane And Geodetic Surveying That Are Most Commonly Used By Civil Engineers. The First Volume Covers In 24 Chapters, The Most Common Surveying Operations. Each Topic Introduced Is Thoroughly Described, The Theory Is Rigorously Developed, And A Large Number Of Numerical Examples Are Included To Illustrate Its Application. General Statements Of Important Principles And Methods Are Almost Invariably Given By Practical Illustration. Apart From Illustrations Of Old And Conventional Instruments, Emphasis Has Been Placed On

New Or Modern Instruments, Both For Ordinary As Well As Precise Work. A Good Deal Of Space Has Been Given To Instrumental Adjustments With Thorough Discussion Of Geometrical Principles In Each Case. Many New Advanced Problems Have Also Been Added Which Will Prove Useful For Competitive Examinations. Soil Mechanics and Foundation Engineering, 2e Pearson Education India  
Soil Mechanics and Foundations  
Media  
Basic Civil Engineering  
Media  
Surveying Vol. I  
Firewall Media  
**WASTE WATER ENGINEERING**  
Firewall Media

This Book Is The Outcome Of The Authors Long Teaching Experience And Has Been Designed To Meet The Needs Of Civil Engineering Curricula For The Courses In Soil Mechanics And Foundation Engineering Of Indian Universities. The Book Has Been Written Mainly In The S.I. Units, Although Some Problems And Examples In The M.K.S. System Have Been Included For Convenience During The Period Of Transition. The Concepts Have Been Developed Systematically In Lucid Language, Sufficient Number Of Well-Graded Numerical Examples And Problems For Solution Have Been Included,

And The Answers For The Latter Have Been Given At The End Of The Book. Summary Of Main Points And Chapter-Wise References Have Been Given At The End Of Each Chapter. References Are Made To The Relevant Indian Standard At Appropriate Places. The Book Covers The Syllabus In Geotechnical Engineering For The Degree And Diploma Students In Civil Engineering And Is Designed To Be Useful To Practicing Engineers As Well. Surveying Vol. I S. Chand Publishing Discover the principles that support the practice! With its simplicity in presentation, this text makes the difficult concepts of soil

mechanics and foundations much easier to understand. The author explains basic concepts and fundamental principles in the context of basic mechanics, physics, and mathematics. From Practical Situations and Essential Points to Practical Examples, this text is packed with helpful hints and examples that make the material crystal clear.

Surveying and Levelling Firewall Media  
Soil Mechanics and Foundation Engineering, 2e  
Presents the principles of soil mechanics and foundation engineering in a simplified yet logical manner that assumes no prior knowledge of the subject. It includes all

the relevant content required for a sound background in the subject, reinforcing theoretical aspects with comprehensive practical applications.

Geotechnical Engineering Tata McGraw-Hill Education  
Basic And Applied Soil Mechanics Is Intended For Use As An Up-To-Date Text For The Two-Course Sequence Of Soil Mechanics And Foundation Engineering Offered To Undergraduate Civil Engineering Students. It Provides A Modern Coverage Of The Engineering Properties Of Soils And Makes Extensive Reference To The Indian Standard Codes Of Practice While Discussing Practices In Foundation Engineering. Some Topics Of Special Interest, Like The

Schmertmann  
 Procedure For  
 Extrapolation Of Field  
 Compressibility,  
 Determination Of  
 Secondary  
 Compression, Lambes  
 Stress - Path Concept,  
 Pressure Meter Testing  
 And Foundation  
 Practices On Expansive  
 Soils Including Certain  
 Widespread Myths,  
 Find A Place In The  
 Text. The Book Includes  
 Over 160 Fully Solved  
 Examples, Which Are  
 Designed To Illustrate  
 The Application Of The  
 Principles Of Soil  
 Mechanics In Practical  
 Situations. Extensive  
 Use Of Si Units, Side By  
 Side With Other Mixed  
 Units, Makes It Easy  
 For The Students As  
 Well As Professionals  
 Who Are Less  
 Conversant With The Si  
 Units, Gain Familiarity  
 With This System Of  
 International Usage.

Inclusion Of About 160  
 Short-Answer  
 Questions And Over  
 400 Objective  
 Questions In The  
 Question Bank Makes  
 The Book Useful For  
 Engineering Students  
 As Well As For Those  
 Preparing For Gate,  
 Upsc And Other  
 Qualifying  
 Examinations. In  
 Addition To Serving  
 The Needs Of The Civil  
 Engineering Students,  
 The Book Will Serve As  
 A Handy Reference For  
 The Practising  
 Engineers As Well.

### **BOOKS FROM INDIA**

CRC Press  
 The Geotechnical  
 Engineering Handbook  
 brings together  
 essential information  
 related to the  
 evaluation of  
 engineering properties  
 of soils, design of  
 foundations such as

spread footings, mat foundations, piles, and drilled shafts, and fundamental principles of analyzing the stability of slopes and embankments, retaining walls, and other earth-retaining structures. The Handbook also covers soil dynamics and foundation vibration to analyze the behavior of foundations subjected to cyclic vertical, sliding and rocking excitations and topics addressed in some detail include: environmental geotechnology and foundations for railroad beds.

### **GEOTECHNICAL ENGINEER'S PORTABLE HANDBOOK**

Firewall Media  
About the Book:  
Written by three

distinguished authors with ample academic and teaching experience, this textbook, meant for diploma and degree students of Mechanical Engineering as well as those preparing for AMIE examination, incorporates the latest st  
Geotechnical Engineering Handbook  
Firewall Media  
An accessible, clear, concise, and contemporary course in geotechnical engineering, this key text: strikes a balance between theory and practical applications for an introductory course in soil mechanics keeps mechanics to a minimum for the students to appreciate the background, assumptions and limitations of the

theories discusses implications of the key ideas to provide students with an understanding of the context for their application gives a modern explanation of soil behaviour is presented particularly in soil settlement and soil strength offers substantial on-line resources to support teaching and learning

## **LIMIT STATE DESIGN OF REINFORCED CONCRETE**

New Age International  
This substantially revised second edition takes into account the provisions of the revised Indian Code of practice for Plain and Reinforced Concrete IS 456 : 2000. It also provides additional data on detailing of steel to make the book

more useful to practicing engineers. The chapter on Limit State of Durability for Environment has been completely revised and the new provisions of the code such as those for design for shear in reinforced concrete, rules for shearing main steel in slabs, lateral steel in columns, and stirrups in beams have been explained in detail in the new edition. This comprehensive and systematically organized book is intended for undergraduate students of Civil Engineering, covering the first course on Reinforced Concrete Design and as a reference for the practicing engineers. Besides covering IS 456 : 2000, the book also deals with the

British and US Codes. Advanced topics of IS 456 : 2000 have been discussed in the companion volume Advanced Reinforced Concrete Design (also published by Prentice-Hall of India). The two books together cover all the topics in IS 456 : 2000 and many other topics which are so important in modern methods of design of reinforced concrete. Laxmi Publications

The Book Irrigation And Water Resources Engineering Deals With The Fundamental And General Aspects Of Irrigation And Water Resources Engineering And Includes Recent Developments In Hydraulic Engineering Related To Irrigation And Water Resources Engineering. Significant Inclusions In The Book Are A

Chapter On Management (Including Operation, Maintenance, And Evaluation) Of Canal Irrigation In India, Detailed Environmental Aspects For Water Resource Projects, A Note On Interlinking Of Rivers In India, And Design Problems Of Hydraulic Structures Such As Guide Bunds, Settling Basins Etc. The First Chapter Of The Book Introduces Irrigation And Deals With The Need, Development And Environmental Aspects Of Irrigation In India. The Second Chapter On Hydrology Deals With Different Aspects Of Surface Water Resource. Soil-Water Relationships Have Been Dealt With In Chapter 3. Aspects Related To Ground Water Resource Have

Been Discussed In Chapter 4. Canal Irrigation And Its Management Aspects Form The Subject Matter Of Chapters 5 And 6. Behaviour Of Alluvial Channels And Design Of Stable Channels Have Been Included In Chapters 7 And 8, Respectively. Concepts Of Surface And Subsurface Flows, As Applicable To Hydraulic Structures, Have Been Introduced In Chapter 9. Different Types Of Canal Structures Have Been Discussed In Chapters 10, 11, And 13. Chapter 12 Has Been Devoted To Rivers And River Training Methods. After Introducing Planning Aspects Of Water Resource Projects In Chapter 14, Embankment Dams, Gravity Dams And

Spillways Have Been Dealt With, Respectively, In Chapters 15, 16 And 17. The Students Would Find Solved Examples (Including Design Problems) In The Text, And Unsolved Exercises And The List Of References Given At The End Of Each Chapter Useful.

*Principles and Practices of Soil Mechanics and Foundation*

*Engineering Firewall Media*

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- 11.Circular slabs  
12.Flat slabs 13.Axially loaded columns  
14.Combined direct and bending stresses  
15.Continuous and isolated footings  
16.Combined footings  
17.Pile foundations  
18.Retaining Walls Part 11: Water Tanks  
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21.Water tanks-1 Simple cases 22.Water tanks-11 Circular & INTZE Tanks 23.Water tanks-111: Rectangular tanks 24.Water tanks-IV: Underground tanks Part 111:Miscellaneous Structures  
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34.Doubly reinforced sections 35.T and L- Beams 36.Shear bond and torsion 37.Design of beams and slabs  
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40.Design of stair cases 41.Two way slabs 42.Circular slabs  
43.Yield Line theory and design of slabs  
44FOUNDATIONS Part IV: Prestressed concrete and Miscellaneous Topics 45.Prestressed concrete 46.Shrinkage and creep 47.Form-Work 48.Tests for cement and concrete  
Limit State Design of Reinforced Concrete  
Allied Publishers  
Written by a leader on the subject,  
Introduction to Geotechnical Engineering is first

introductory geotechnical engineering textbook to cover both saturated and unsaturated soil mechanics. Destined to become the next leading text in the field, this book presents a new approach to teaching the subject, based on fundamentals of unsaturated soils, and extending the description of

applications of soil mechanics to a wide variety of topics. This groundbreaking work features a number of topics typically left out of undergraduate geotechnical courses.

**SMTS-II Theory of**

**Structures** Rajsons Publications Pvt. Ltd.

*Comprehensive Rcc.Designs* Laxmi Publications, Ltd.

**Irrigation and Water Power Engineering**

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