

Foundation Engineering P C Varghese

THANK YOU TOTALLY MUCH FOR DOWNLOADING **FOUNDATION ENGINEERING P C VARGHESE**. MAYBE YOU HAVE KNOWLEDGE THAT, PEOPLE HAVE LOOK NUMEROUS TIME FOR THEIR FAVORITE BOOKS WHEN THIS FOUNDATION ENGINEERING P C VARGHESE, BUT STOP IN THE WORKS IN HARMFUL DOWNLOADS.

RATHER THAN ENJOYING A FINE BOOK TAKING INTO ACCOUNT A MUG OF COFFEE IN THE AFTERNOON, ON THE OTHER HAND THEY JUGGLED PAST SOME HARMFUL VIRUS INSIDE THEIR COMPUTER. **FOUNDATION ENGINEERING P C VARGHESE** IS MANAGEABLE IN OUR DIGITAL LIBRARY AN ONLINE ENTRANCE TO IT IS SET AS PUBLIC APPROPRIATELY YOU CAN DOWNLOAD IT INSTANTLY. OUR DIGITAL LIBRARY SAVES IN MULTIPLE COUNTRIES, ALLOWING YOU TO ACQUIRE THE MOST LESS LATENCY EPOCH TO DOWNLOAD ANY OF OUR BOOKS TAKING INTO ACCOUNT THIS ONE. MERELY SAID, THE FOUNDATION ENGINEERING P C VARGHESE IS UNIVERSALLY COMPATIBLE TAKING INTO CONSIDERATION ANY DEVICES TO READ.

GEOTECHNICAL ENGINEERING V.N.S. MURTHY 2002-10-25 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.

ENGINEERING GEOLOGY FOR CIVIL ENGINEERS P. C. VARGHESE 2011-12-24 GEOLOGY IS THE SCIENCE OF EARTH'S CRUST (LITHOSPHERE) CONSISTING OF ROCKS AND SOILS. WHILE MINING AND MINERALOGICAL ENGINEERS ARE MORE INTERESTED IN ROCKS, THEIR PETROLOGY (FORMATION) AND MINERALOGY, CIVIL ENGINEERS ARE EQUALLY INTERESTED IN SOILS AND ROCKS, IN THEIR FORMATIONS, AND ALSO IN THEIR PROPERTIES FOR CIVIL ENGINEERING DESIGN AND CONSTRUCTION. THIS BOOK IS SO WRITTEN THAT THE SUBJECT CAN EASILY BE TAUGHT BY A CIVIL ENGINEERING FACULTY MEMBER SPECIALISED IN SOIL MECHANICS. DEXTEROUSLY ORGANIZED INTO FOUR PARTS, THIS BOOK IN PART I (CHAPTERS 1 TO 11) DEALS WITH THE FORMATION OF ROCKS AND SOILS. THE CLASSIFICATION OF SOILS, LAKE DEPOSITS, COASTAL DEPOSITS, WIND DEPOSITS ALONG WITH MARSHES AND BOGS ARE DESCRIBED IN PART II (CHAPTERS 12 TO 20). AS THE BOOK ADVANCES, IT DEALS WITH THE CIVIL ENGINEERING PROBLEMS CONNECTED WITH SOILS AND ROCKS SUCH AS LANDSLIDES, ROCK SLIDES, MUDFLOW, EARTHQUAKES, TSUNAMI AND OTHER NATURAL PHENOMENA IN PART III (CHAPTERS 21 TO 24). FINALLY, IN PART IV (CHAPTERS 25 TO 30), THIS TEXT DISCUSSES THE ALLIED SUBJECTS LIKE THE ORIGIN AND NATURE OF CYCLONES, ROCK MASS CLASSIFICATION AND SOIL FORMATION. DESIGNED TO SERVE AS A TEXTBOOK FOR THE UNDERGRADUATE STUDENTS OF CIVIL ENGINEERING, THIS BOOK IS EQUALLY USEFUL FOR THE PRACTISING CIVIL ENGINEERS. SALIENT FEATURES : DISPLAYS PLENTY OF FIGURES TO CLARIFY THE CONCEPTS INCLUDES CHAPTER-END REVIEW EXERCISES TO ENHANCE THE PROBLEM-SOLVING SKILLS OF THE STUDENTS SUMMARY AT THE END OF EACH CHAPTER BRINGS INTO FOCUS THE ESSENCE OF THE CHAPTER APPENDICES AT THE END OF THE TEXT SUPPLY EXTRA INFORMATION ON IMPORTANT TOPICS

SOIL MECHANICS AND FOUNDATION ENGINEERING (GEOTECHNICAL ENGINEERING), 7/E K. R. ARORA 1992

GEOLOGY FOR CIVIL ENGINEERS C. GRIBBLE 2017-12-21 THIS SEASONED TEXTBOOK INTRODUCES GEOLOGY FOR CIVIL ENGINEERING STUDENTS. IT COVERS MINERALS AND ROCKS, SUPERFICIAL DEPOSITS AND THE DISTRIBUTION OF ROCKS AT OR BELOW THE SURFACE. IT THEN LOOKS AT GROUNDWATER AND GIVES GUIDANCE ON THE EXPLORATION OF A SITE BEFORE LOOKING AT THE CIVIL ENGINEERING IMPLICATIONS OF ROCKS AND THE MAIN GEOLOGICAL FACTORS WHICH AFFECT TYPICAL ENGINEERING PROJECTS.

DESIGN OF FOUNDATION SYSTEMS N. P. KURIAN 2005 THIS TEXTBOOK FIRST PUBLISHED IN 1992 NOW APPEARING IN ITS THIRD EDITION RETAINS THE BEST FEATURES FROM THE EARLIER EDITIONS AND ADDS SIGNIFICANTLY TO THE CONTENTS, WHICH INCLUDE DEVELOPMENTS IN THE 1990S.

BUILDING MATERIALS P. C. VARGHESE 2005-01-01 THIS PRACTICE-ORIENTED BOOK PROVIDES A LUCID YET COMPREHENSIVE COVERAGE OF THE ENGINEERING PROPERTIES AND USES OF THE MATERIALS COMMONLY USED IN BUILDING CONSTRUCTION IN INDIA. PROFUSELY ILLUSTRATED WITH TABLES AND DIAGRAMS, THE BOOK EXPOSES THE READER TO THE BASICS OF BUILDING MATERIALS AND THEIR SPECIFICATIONS. THE TEXT ALSO ACQUAINTS THE READER WITH THE TRADITIONAL AS WELL AS MODERN MATERIALS AVAILABLE IN THE MARKET. THE REFERENCES TO IS CODES AND STANDARDS MAKE THIS TEXT SUITABLE FOR FURTHER STUDY AND FIELD USE. THIS BOOK IS PRIMARILY DESIGNED AS AN INTRODUCTORY TEXTBOOK FOR THE STUDENTS PURSUING UNDERGRADUATE DEGREE (B.E./B.TECH.) AND DIPLOMA COURSES IN CIVIL ENGINEERING AND ARCHITECTURE. BECAUSE OF THE LECTURE-BASED PRESENTATION OF THE SUBJECT, THE TEXT WOULD ALSO BE OF CONSIDERABLE BENEFIT FOR THE YOUNG TEACHERS FOR THEIR CLASSROOM LECTURES. PRACTISING ENGINEERS WOULD ALSO GET A CLEAR UNDERSTANDING OF THE FUNDAMENTALS OF THE SUBJECT.

COMPUTER AIDED OPTIMUM DESIGN IN ENGINEERING XI SANTIAGO HERNANDEZ 2009 PARTICULAR EMPHASIS IS PLACED ON COMPUTATIONAL METHODS TO MODEL, CONTROL AND MANAGE NEW STRUCTURAL SOLUTIONS AND MATERIAL TYPES. THIS INTEGRATION OF THEIR DESIGN TOGETHER WITH OPTIMISATION TECHNOLOGIES IS PREVALENT IN ALL ASPECTS OF INDUSTRY AND RESEARCH. THIS BOOK CONTAINS THE MOST SIGNIFICANT PAPERS PRESENTED IN OPTI 2009. FOLLOWING THE SPIRIT OF PREVIOUS EDITIONS SOME OF THEM DEAL WITH THE ALGORITHMIC PART OF THIS SCIENTIFIC DISCIPLINE WHILE OTHER AUTHORS DESCRIBE INNOVATIVE DESIGN OPTIMISATION FORMULATIONS IN SEVERAL ENGINEERING FIELDS OR PRACTICAL APPLICATIONS IN INDUSTRIAL PROBLEMS. RESEARCH TOPICS INCLUDED: NEW AND ENHANCED ALGORITHMS; SHAPE OPTIMISATION; DESIGN OPTIMISATION IN MATERIALS, CONSTRUCTION AND BRIDGE ENGINEERING; DESIGN OPTIMIZATION IN AIRCRAFT ENGINEERING; OPTIMISATION IN DAM AND SOIL ENGINEERING.

DESIGN OF REINFORCED CONCRETE SHELLS AND FOLDED PLATES P.C VARGHESE 2010

SOIL MECHANICS AND FOUNDATION ENGINEERING KALITA UTSAV CHANDRA 2011

CIVIL ENGINEERING S. P. GUPTA 2018-04-30 THIS EDITION HAS BEEN THOROUGHLY REVISED AND ENLARGED. IT IS STILL CONSIDERED TO BE A MUST FOR ALL THOSE SITTING CIVIL ENGINEERING EXAMINATIONS.

PRACTICAL HANDBOOK OF GROUTING JAMES WARNER 2004-04-05 THE FIRST COMPLETE HANDBOOK FOR EVERY ASPECT OF GROUTING TECHNOLOGY THE PRACTICAL HANDBOOK OF GROUTING OFFERS THE MOST COMPREHENSIVE, SINGLE-SOURCE REFERENCE COVERING ALL FACETS OF GROUTING TECHNOLOGY, INCLUDING ITS APPLICATION FOR CONTROL OF WATER MOVEMENT, STRENGTHENING OF BOTH SOIL AND ROCK, AND A WIDE RANGE OF STRUCTURAL APPLICATIONS. RICHLY ILLUSTRATED WITH HUNDREDS OF INFORMATIVE PHOTOGRAPHS, GRAPHS, AND FIGURES, THIS HANDBOOK PROVIDES INVALUABLE ADVICE ON ALL STAGES OF A PROJECT FROM INITIAL INVESTIGATION AND DESIGN, THROUGH EXECUTION, MONITORING, AND QUALITY CONTROL. BROAD COVERAGE IN THE PRACTICAL HANDBOOK OF GROUTING BEGINS WITH A GENERAL OVERVIEW OF THE TOPIC AND INCLUDES DESIGN AND QUALITY CONTROL ISSUES, INJECTION TECHNIQUES, AND A THOROUGH DISCUSSION OF DRILLING AND GROUTING EQUIPMENT, WITH PRACTICAL FOCUS ON BUILDING CUSTOM EQUIPMENT. ENRICHED WITH REAL-WORLD INSIGHTS FROM THE AUTHOR, THE PRACTICAL HANDBOOK OF GROUTING FEATURES THE LATEST INFORMATION ON: * CEMENTITIOUS AND NONCEMENTITIOUS GROUTS, INCLUDING NEW ADMIXTURES AND POLYMERS * SPECIAL CONSTRUCTION REQUIREMENTS, INCLUDING GROUTING INSIDE STRUCTURES, UNDERGROUND SPACES, IN EXTREME ENVIRONMENTS, AND FOR EMERGENCY RESPONSE SUPPORT * GROUTING EQUIPMENT, INCLUDING PUMPS, MIXERS, AGITATORS, AND DELIVERY AND MONITORING SYSTEMS * PUMP MECHANICS, INCLUDING THE ADVANTAGES AND LIMITATIONS OF ALL PUMP TYPES * "THE GAMES CONTRACTORS PLAY," INCLUDING MARKETING EFFORTS, PROPOSAL TRICKERY, ON-THE-JOB ISSUES, AND DEFENDING BAD WORK COMPLETE WITH AN EXTENSIVE BIBLIOGRAPHY AND REFERENCES, THE PRACTICAL HANDBOOK OF GROUTING IS A VALUABLE RESOURCE FOR CIVIL, STRUCTURAL, AND GEOTECHNICAL ENGINEERS, GEOLOGISTS, CONTRACTORS, AND STUDENTS IN RELATED FIELDS.

DESIGN OF REINFORCED CONCRETE FOUNDATIONS P. C. VARGHESE 2009

ADVANCED REINFORCED CONCRETE DESIGN P. C. VARGHESE 2009-01-09 INTENDED AS A COMPANION VOLUME TO THE AUTHOR'S LIMIT STATE DESIGN OF REINFORCED CONCRETE (PUBLISHED BY PRENTICE-HALL OF INDIA), THE SECOND EDITION OF THIS COMPREHENSIVE AND SYSTEMATICALLY ORGANIZED TEXT BUILDS ON THE STRENGTH OF THE FIRST EDITION, CONTINUING TO PROVIDE A CLEAR AND MASTERLY EXPOSITION OF THE FUNDAMENTALS OF THE THEORY OF CONCRETE DESIGN. THE TEXT MEETS THE TWIN OBJECTIVE OF CATERING TO THE NEEDS OF THE POSTGRADUATE STUDENTS OF CIVIL ENGINEERING AND THE NEEDS OF THE PRACTISING CIVIL ENGINEERS AS IT FOCUSES ALSO ON THE PRACTICES FOLLOWED BY THE INDUSTRY. THIS TEXT, ALONG WITH LIMIT STATE DESIGN, COVERS THE ENTIRE DESIGN PRACTICE OF REVISED CODE IS456 (2000). IN ADDITION, IT ANALYZES THE PROCEDURES SPECIFIED IN MANY OTHER BIS CODES SUCH AS THOSE ON WINDS, EARTHQUAKES, AND DUCTILE DETAILING. WHAT'S NEW TO THIS

EDITION CHAPTER 18 ON EARTHQUAKE FORCES AND STRUCTURAL RESPONSE OF FRAMED BUILDINGS HAS BEEN COMPLETELY REVISED AND UPDATED SO AS TO CONFORM TO THE LATEST I.S. CODES 1893 (2002) ENTITLED CRITERIA FOR EARTHQUAKE RESISTANT DESIGN OF STRUCTURES (PART I - FIFTH REVISION). CHAPTERS 19 AND 21 WHICH TOO DEAL WITH EARTHQUAKE DESIGN HAVE BEEN REVISED. A SUMMARY OF ELEMENTARY DESIGN OF REINFORCED CONCRETE MEMBERS IS ADDED AS APPENDIX. VALUABLE TABLES AND CHARTS ARE PRESENTED TO HELP STUDENTS AND PRACTISING DESIGNERS TO ARRIVE AT A SPEEDY ESTIMATE OF THE STEEL REQUIREMENTS IN SLABS, BEAMS, COLUMNS AND FOOTINGS OF ORDINARY BUILDINGS.

INTRODUCTION TO GEOTECHNICAL ENGINEERING BRAJA M. DAS 2015-01-01 WRITTEN IN A CONCISE, EASY-TO UNDERSTAND MANNER, INTRODUCTION TO GEOTECHNICAL ENGINEERING, 2e, PRESENTS INTENSIVE RESEARCH AND OBSERVATION IN THE FIELD AND LAB THAT HAVE IMPROVED THE SCIENCE OF FOUNDATION DESIGN. NOW PROVIDING BOTH U.S. AND SI UNITS, THIS NON-CALCULUS-BASED TEXT IS DESIGNED FOR COURSES IN CIVIL ENGINEERING TECHNOLOGY PROGRAMS WHERE SOIL MECHANICS AND FOUNDATION ENGINEERING ARE COMBINED INTO ONE COURSE. IT IS ALSO A USEFUL REFERENCE TOOL FOR CIVIL ENGINEERING PRACTITIONERS. IMPORTANT NOTICE: MEDIA CONTENT REFERENCED WITHIN THE PRODUCT DESCRIPTION OR THE PRODUCT TEXT MAY NOT BE AVAILABLE IN THE EBOOK VERSION.

BUILDING CONSTRUCTION P. C. VARGHESE 2009-01-14 THIS BOOK, A COMPANION VOLUME TO THE AUTHOR'S BOOK ON BUILDING MATERIALS, EXPLAINS THE BASICS OF BUILDING CONSTRUCTION PRACTICES IN AN ACCESSIBLE STYLE. IT DISCUSSES IN DETAIL EVERY ELEMENT OF BUILDING CONSTRUCTION FROM START TO THE FINISH—FROM SITE PREPARATION TO PROVISION OF SERVICES (SUCH AS WATER SUPPLY, DRAINAGE AND ELECTRICITY SUPPLY). BESIDES, THE TEXT DESCRIBES ACOUSTICS AND MAINTENANCE OF BUILDINGS, WHICH ARE IMPORTANT CONSIDERATIONS IN CONSTRUCTION OF BUILDINGS. THIS BOOK IS PRIMARILY DESIGNED AS AN INTRODUCTORY TEXTBOOK FOR UNDER-GRADUATE STUDENTS OF CIVIL ENGINEERING AS WELL AS THOSE PURSUING DIPLOMA COURSES IN CIVIL ENGINEERING AND ARCHITECTURE. PRACTISING ENGINEERS AND ANY PERSON WHO HAS A KEEN INTEREST IN THE CONSTRUCTION AND MAINTENANCE OF HIS/HER OWN BUILDING WILL ALSO FIND THE BOOK VERY HELPFUL. KEY FEATURES : [?] SEPARATE APPENDIX IS GIVEN TO DISCUSS EARTHQUAKE-RESISTANT DESIGN OF BUILDINGS. [?] REVIEW QUESTIONS PROVIDED AT THE END OF EACH CHAPTER ENABLE THE READERS RECAPITULATE THE TOPICS. [?] THE REFERENCES TO IS CODES AND STANDARDS MAKE THE TEXT SUITABLE FOR FURTHER STUDY AND FIELD USE. [?] BECAUSE OF THE LECTURE-BASED PRESENTATION OF THE SUBJECT, THE TEXT WILL BE OF CONSIDERABLE BENEFIT FOR THE YOUNG TEACHERS FOR THEIR CLASSROOM LECTURES.

PROCEEDINGS OF THE ... ASIAN REGIONAL CONFERENCE ON SOIL MECHANICS AND FOUNDATION ENGINEERING 1979

IN SITU TESTING METHODS IN GEOTECHNICAL ENGINEERING ALAN J. LUTENEGGER 2021-05-04 IN SITU TESTING METHODS IN GEOTECHNICAL ENGINEERING COVERS THE FIELD OF APPLIED GEOTECHNICAL ENGINEERING RELATED TO THE USE OF IN SITU TESTING OF SOILS TO DETERMINE SOIL PROPERTIES AND PARAMETERS FOR GEOTECHNICAL DESIGN. IT PROVIDES AN OVERVIEW OF THE PRACTICAL ASPECTS OF THE MOST ROUTINE AND COMMON TEST METHODS, AS WELL AS TEST METHODS THAT ENGINEERS MAY WISH TO INCLUDE ON SPECIFIC PROJECTS. IT IS SUITED FOR A GRADUATE-LEVEL COURSE ON FIELD TESTING OF SOILS AND WILL ALSO AID PRACTISING ENGINEERS. TEST PROCEDURES FOR DETERMINING IN SITU LATERAL STRESS, STRENGTH, AND STIFFNESS PROPERTIES OF SOILS ARE EXAMINED, AS IS THE DETERMINATION OF STRESS HISTORY AND RATE OF CONSOLIDATION. READERS WILL BE INTRODUCED TO VARIOUS APPROACHES TO GEOTECHNICAL DESIGN OF SHALLOW AND DEEP FOUNDATIONS USING IN SITU TESTS. IMPORTANTLY, THE TEXT DISCUSSES THE POTENTIAL ADVANTAGES AND DISADVANTAGES OF USING IN SITU TESTS.

PAUL YMATH.

FUNDAMENTALS OF SOIL DYNAMICS AND EARTHQUAKE ENGINEERING BHARAT BHUSHAN PRASAD 2009-01-19 THE MAJORITY OF THE CASES OF EARTHQUAKE DAMAGE TO BUILDINGS, BRIDGES, AND OTHER RETAINING STRUCTURES ARE INFLUENCED BY SOIL AND GROUND CONDITIONS. TO ADDRESS SUCH PHENOMENA, SOIL DYNAMICS AND EARTHQUAKE ENGINEERING IS THE APPROPRIATE DISCIPLINE. THIS TEXTBOOK PRESENTS THE FUNDAMENTALS OF SOIL DYNAMICS, COMBINED WITH THE BASIC PRINCIPLES, THEORIES AND METHODS OF GEOTECHNICAL EARTHQUAKE ENGINEERING. IT IS DESIGNED FOR SENIOR UNDERGRADUATE AND POSTGRADUATE STUDENTS IN CIVIL ENGINEERING & ARCHITECTURE. THE TEXT WILL ALSO BE USEFUL TO YOUNG FACULTY MEMBERS, PRACTISING ENGINEERS AND CONSULTANTS. BESIDES, TEACHERS WILL FIND IT A USEFUL REFERENCE FOR PREPARATION OF LECTURES AND FOR DESIGNING SHORT COURSES IN SOIL DYNAMICS AND GEOTECHNICAL EARTHQUAKE ENGINEERING. THE BOOK FIRST PRESENTS THE THEORY OF VIBRATIONS AND DYNAMICS OF ELASTIC SYSTEM AS WELL AS THE FUNDAMENTALS OF ENGINEERING SEISMOLOGY. WITH THIS BACKGROUND, THE READERS ARE INTRODUCED TO THE CHARACTERISTICS OF STRONG GROUND MOTION, AND DETERMINISTIC AND PROBABILISTIC SEISMIC HAZARD ANALYSIS. THE RISK ANALYSIS AND THE RELIABILITY PROCESS OF GEOTECHNICAL ENGINEERING ARE PRESENTED IN DETAIL. AN IN-DEPTH STUDY OF DYNAMIC SOIL PROPERTIES AND THE METHODS OF THEIR DETERMINATION PROVIDE THE BASICS TO TACKLE THE DYNAMIC SOIL-STRUCTURE INTERACTION PROBLEMS. PRACTICAL PROBLEMS OF

DYNAMICS OF BEAM-FOUNDATION SYSTEMS, DYNAMICS OF RETAINING WALLS, DYNAMIC EARTH PRESSURE THEORY, WAVE PROPAGATION AND LIQUEFACTION OF SOIL ARE TREATED IN DETAIL WITH ILLUSTRATIVE EXAMPLES.

ADVANCED FOUNDATION ENGINEERING V. N. S. MURTHY 2017-08-30

FOUNDATION ENGINEERING BIKASH CHANDRA CHATTOPADHYAY 2014-12-30 THE BOOK IS PRIMARILY INTENDED FOR UNDERGRADUATE AND POSTGRADUATE STUDENTS OF CIVIL ENGINEERING. IT IS ALSO USEFUL FOR THE STUDENTS OF AMIE AND A DIPLOMA COURSE IN CIVIL ENGINEERING. THE BOOK IS PLANNED AS A TEXT FOR THE FIRST COURSE IN FOUNDATION ENGINEERING AND PRESENTS THE PRINCIPLES AND PRACTICES OF SELECTION AND DESIGN OF FOUNDATION FOR STRUCTURES IN A SIMPLE AND CONCISE MANNER. CODAL REFERENCES HAVE BEEN GIVEN TO ACQUAINT THE STUDENTS WITH PREVALENT METHODOLOGIES ADOPTED IN PRACTISE IN THE COUNTRY. THE BOOK PROVIDES TOPICS OF WIDE INTEREST SUCH AS MACHINE FOUNDATION, FOUNDATION ON PROBLEMATIC SOIL AND GROUND IMPROVEMENT TECHNIQUES. A LARGE NUMBER OF SOLVED EXAMPLES AND MULTIPLE CHOICE QUESTIONS ARE INCLUDED TO HELP READERS FOR EASY UNDERSTANDING OF THE PRINCIPLE OF DESIGN AND MEMORISING IMPORTANT DETAILS FOR PRACTICAL APPLICATION. THE INFORMATION CONTAINED IN THE BOOK IS ALSO HELPFUL FOR THE SCHOLARS PURSUING RESEARCH STUDY AND PRACTICING ENGINEERS CONFRONTED IN THE FIELD. KEY FEATURES • SIMPLE AND SYSTEMATIC PRESENTATION OF THE SUBJECT MATTER. • A LARGE NUMBER OF SOLVED AND UNSOLVED PROBLEMS FOR PRACTICE. • MCQs WITH ANSWERS TO HELP STUDENTS APPEARING IN COMPETITIVE EXAMINATIONS—GATE, IES, IAS ETC. • ANNEXURE FOR READY REFERENCES IN DIFFERENT ALLIED ENGINEERING TOPICS.

MAINTENANCE, REPAIR & REHABILITATION AND MINOR WORKS OF BUILDINGS P. C. VARGHESE 2014-04-04 THE TERM MAINTENANCE OF A BUILDING REFERS TO THE WORK DONE FOR KEEPING AN EXISTING BUILDING IN A CONDITION WHERE IT CAN PERFORM ITS INTENDED FUNCTIONS. USUALLY, THE BUILDINGS LAST ONLY FOR 40 TO 50 YEARS IN A GOOD SHAPE JUST BECAUSE OF REGULAR INSPECTION AND MAINTENANCE THAT ENABLE TIMELY IDENTIFICATION OF DETERIORATED ELEMENTS. OVERLOOKED DILAPIDATION, INADEQUATE MAINTENANCE AND LACK OF REPAIR WORKS MAY LEAD TO LIMITED LIFE SPAN OF A BUILDING. THIS COMPREHENSIVE BOOK, STRIVING TO FOCUS ON THE MAINTENANCE, REPAIR & REHABILITATION AND MINOR WORKS OF A BUILDING, PRESENTS USEFUL GUIDELINES THAT ACQUAINT THE READERS WITH THE TRADITIONAL AS WELL AS MODERN TECHNIQUES FOR UPKEEPING AND REPAIRING OF BUILDINGS ALREADY CONSTRUCTED. DEXTEROUSLY ORGANISED INTO FIVE PARTS, THIS BOOK IN PART I DEALS WITH THE MAINTENANCE OF BUILDINGS. DESCRIPTION OF THE CONSTRUCTION CHEMICALS, CONCRETE REPAIR CHEMICALS, SPECIAL MATERIALS USED FOR REPAIR, AND REPAIR OF VARIOUS PARTS OF A BUILDING IS GIVEN IN PART II. STRENGTHENING OF REINFORCED CONCRETE MEMBERS BY SHORING, UNDERPINNING, PLATE BONDING, RC JACKETING AND FRP METHODS ARE EXPLORED IN PART III, WHICH ALSO HIGHLIGHTS REBUILDING OF RC SLABS AND PROTECTION OF EARTH SLOPES. PART IV OF THE BOOK EXPOSES THE READER TO THE MINOR WORKS DONE IN A BUILDING SUCH AS CONSTRUCTION OF COMPOUND WALLS, GATES, WATERSUMPS, HOUSE GARAGE, RELAYING OF FLOORS, JOINING TWO ADJACENT ROOMS AND SO ON. PART V IS BASED ON SOME ALLIED TOPICS INVOLVING CONTROL ON TERMITES AND FUNGUS IN BUILDINGS AS WELL AS INTRODUCTION OF VAASTU SHASTRA AND ITS MAIN RECOMMENDATIONS FOR A SINGLE HOUSE IN A PLOT. USING AN ENGAGING STYLE, THIS BOOK WILL PROVE TO BE A MUST-READ FOR THE UNDERGRADUATE AND POSTGRADUATE STUDENTS OF CIVIL ENGINEERING AS WELL AS FOR THE POLYTECHNIC AND ITI DIPLOMA STUDENTS. BESIDES, THE BOOK WILL ALSO BE OF IMMENSE BENEFIT TO THE TECHNICAL PROFESSIONALS ACROSS THE COUNTRY. KEY FEATURES • THE TEXT DISPLAYS SEVERAL FIGURES TO MAKE THE CONCEPTS CLEAR. • CHAPTER-END REFERENCES MAKE THE TEXT SUITABLE FOR FURTHER STUDY. • APPENDICES AT THE END OF THE TEXT PROVIDE EXTRA INFORMATION ON NON-DESTRUCTIVE FIELD TESTS FOR SURVEY OF THE CONDITION OF CONCRETE BUILDINGS AND ROUGH ESTIMATION OF THE CONSTRUCTION AND MAINTENANCE COSTS OF BUILDINGS.

PROCEEDINGS OF THE 5TH INDIAN YOUNG GEOTECHNICAL ENGINEERS CONFERENCE (5IYGEC) D L SHAH 2015-03-14 EXTENDED ABSTRACTS OF RESEARCH PAPERS PUBLISHED IN 5IYGEC: THE 5TH INDIAN YOUNG GEOTECHNICAL ENGINEERS CONFERENCE, ORGANIZED BY INDIAN GEOTECHNICAL SOCIETY TO COMMEMORATE SILVER JUBILEE OF IGS, BARODA CHAPTER.

PRACTICAL CIVIL ENGINEERING P.K. JAYASREE 2021-05-03 THE BOOK PROVIDES PRIMARY INFORMATION ABOUT CIVIL ENGINEERING TO BOTH A CIVIL AND NON-CIVIL ENGINEERING AUDIENCE IN AREAS SUCH AS CONSTRUCTION MANAGEMENT, ESTATE MANAGEMENT, AND BUILDING. BASIC CIVIL ENGINEERING TOPICS LIKE SURVEYING, BUILDING MATERIALS, CONSTRUCTION TECHNOLOGY AND MANAGEMENT, CONCRETE TECHNOLOGY, STEEL STRUCTURES, SOIL MECHANICS AND FOUNDATIONS, WATER RESOURCES, TRANSPORTATION AND ENVIRONMENT ENGINEERING ARE EXPLAINED IN DETAIL. CODAL PROVISIONS OF US, UK AND INDIA ARE INCLUDED TO CATER TO A GLOBAL AUDIENCE. INSIGHTS INTO TECHNIQUES LIKE MODERN SURVEYING EQUIPMENT AND TECHNOLOGIES, SUSTAINABLE CONSTRUCTION MATERIALS, AND MODERN CONSTRUCTION MATERIALS ARE ALSO INCLUDED. KEY FEATURES: • PROVIDES A CONCISE PRESENTATION OF THEORY AND PRACTICE FOR ALL TECHNICAL IN CIVIL ENGINEERING. • CONTAINS DETAILED THEORY WITH LUCID ILLUSTRATIONS. • FOCUSES ON THE MANAGEMENT ASPECTS OF A CIVIL ENGINEER'S JOB. • ADDRESSES CONTEMPORARY ISSUES SUCH

AS PERMITTING, GLOBALIZATION, SUSTAINABILITY, AND EMERGING TECHNOLOGIES. • INCLUDES CODAL PROVISIONS OF US, UK AND INDIA. THE BOOK IS AIMED AT PROFESSIONALS AND SENIOR UNDERGRADUATE STUDENTS IN CIVIL ENGINEERING, NON-SPECIALIST CIVIL ENGINEERING AUDIENCE

GEOTECHNICAL ENGINEERING C. VENKATRAMAIAH 2006 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.

ENGINEERING IN ROCKS FOR SLOPES, FOUNDATIONS AND TUNNELS T. RAMAMURTHY 2010 "WITH THE EVER INCREASING DEVELOPMENTAL ACTIVITIES AS DIVERSE AS THE CONSTRUCTION OF DAMS, ROADS, TUNNELS, UNDERGROUND POWERHOUSES AND STORAGE FACILITIES, PETROLEUM EXPLORATION AND NUCLEAR REPOSITORIES, A MORE COMPREHENSIVE AND UPDATED UNDERSTANDING OF ROCK MASS IS ESSENTIAL FOR CIVIL ENGINEERS, ENGINEERING GEOLOGISTS, GEOPHYSICISTS, AND PETROLEUM AND MINING ENGINEERS. THOUGH SOME CONTENTS OF THIS VAST SUBJECT ARE INCLUDED IN UNDERGRADUATE CURRICULUM, THERE ARE FULL-FLEDGED COURSES ON ROCK MECHANICS/ROCK ENGINEERING IN POSTGRADUATE PROGRAMMES IN CIVIL ENGINEERING AND MINING ENGINEERING. MUCH OF THE MATERIAL PRESENTED IN THIS BOOK IS ALSO TAUGHT TO GEOLOGY AND GEOPHYSICS STUDENTS. IN ADDITION, THE BOOK IS SUITABLE FOR SHORT COURSES CONDUCTED FOR TEACHERS, PRACTISING ENGINEERS AND ENGINEERING GEOLOGISTS." -- BACK COVER.

GROUND IMPROVEMENT TECHNIQUES JOYANTA MAITY 2017-05-01 DUE TO THE UNAVAILABILITY OF GOOD CONSTRUCTION SITES OWING TO THE GROWTH OF CITIES AND INDUSTRIES, THE SITE ENGINEERS ARE NOWADAYS COMPELLED TO ADOPT METHODS OF FORCING THE WEAK SOIL TO BEHAVE ACCORDING TO THE PROJECT REQUIREMENT. WRITTEN IN THE SAME CONTEXT, THE BOOK FOCUSES ON THE FUNDAMENTAL PRINCIPLES AND PRACTICAL METHODS OF GROUND IMPROVEMENT. THE DESIGN AND CONSTRUCTIONAL PROCEDURE OF DIFFERENT GROUND IMPROVEMENT METHODS ARE COMPREHENSIVELY COVERED IN THE TEXT. THE SUBJECT-MATTER, DIVIDED INTO FOURTEEN CHAPTERS, IS ORGANISED INTO A SIMPLIFIED AND LOGICAL MANNER TO DESCRIBE FIRST THE WORKING METHODS AND THEN THE POSSIBLE FUTURE DEVELOPMENTS. THE BOOK ENABLES ITS READERS TO BECOME AWARE OF THE OVERALL METHODOLOGY TO BE ADOPTED IN A PARTICULAR CASE AND SEEK POSSIBLE SOLUTION TO THE CHOSEN FIELD. IT IS PRIMARILY INTENDED TO CATER THE NEEDS OF UNDERGRADUATE AND POSTGRADUATE STUDENTS OF CIVIL ENGINEERING AND GEOTECHNICAL ENGINEERING. KEY FEATURES • NUMEROUS FIGURES, TABLES AND MATHEMATICAL EQUATIONS ARE PROVIDED TO SUPPORT THE TOPICS DISCUSSED. • SEVERAL WORKED-OUT EXAMPLES ARE PROVIDED IN MOST OF THE CHAPTERS. • OBJECTIVE QUESTIONS, DESCRIPTIVE QUESTIONS AND REFERENCES ARE GIVEN AT THE END OF EACH CHAPTER. • NUMERICAL QUESTIONS ARE GIVEN FOR PRACTICE IN THE RELEVANT CHAPTERS. • AN APPENDIX INTRODUCES MISCELLANEOUS TOPICS RELATED TO SOIL.

FOUNDATION ENGINEERING P. C. VARGHESE 2005-01-01 FOUNDATION ENGINEERING IS OF PRIME IMPORTANCE TO UNDERGRADUATE AND POSTGRADUATE STUDENTS OF CIVIL ENGINEERING AS WELL AS TO PRACTISING ENGINEERS. FOR, THERE IS NO CONSTRUCTION - BE IT BUILDINGS (GOVERNMENT, COMMERCIAL AND RESIDENTIAL), BRIDGES, HIGHWAYS, OR DAMS - THAT DOES NOT DRAW FROM THE PRINCIPLES AND APPLICATION OF THIS SUBJECT. UNLIKE MANY TEXTBOOKS ON GEOTECHNICAL ENGINEERING THAT DEAL WITH BOTH SOIL MECHANICS AND FOUNDATION ENGINEERING, THIS TEXT GIVES AN EXCLUSIVE TREATMENT AND AN INDEPTH ANALYSIS OF FOUNDATION ENGINEERING. WHAT DISTINGUISHES THE TEXT IS THAT IT NOT MERELY EQUIPS THE STUDENTS WITH THE NECESSARY KNOWLEDGE FOR THE COURSE AND EXAMINATION, BUT PROVIDES A SOLID FOUNDATION FOR FURTHER PRACTICE IN THEIR PROFESSION LATER. IN ADDITION, AS THE BOOK IS BASED ON THE CODES PRESCRIBED BY THE BUREAU OF INDIAN STANDARDS, STUDENTS OF INDIAN UNIVERSITIES WILL FIND IT PARTICULARLY USEFUL. THE AUTHOR IS SPECIALIZED IN BOTH SOIL MECHANICS AND STRUCTURAL ENGINEERING; HE STUDIED SOIL MECHANICS UNDER THE GUIDANCE OF PROF. TERZAGHI AND PROF. CASAGRANDE OF HARVARD UNIVERSITY - THE PIONEERS OF THE SUBJECT. SIMILARLY, HE STUDIED STRUCTURAL ENGINEERING UNDER PROF. A.L.L. BAKER OF IMPERIAL COLLEGE, LONDON, THE PIONEER OF LIMIT STATE DESIGN. THESE SPECIALIZATIONS COUPLED WITH OVER 50 YEARS OF TEACHING EXPERIENCE OF THE AUTHOR MAKE THIS TEXT AUTHORITATIVE AND EXHAUSTIVE. INTENDED AS A TEXT FOR UNDERGRADUATE (CIVIL ENGINEERING) AND POSTGRADUATE (GEOTECHNICAL ENGINEERING AND STRUCTURAL ENGINEERING) STUDENTS, THE BOOK WOULD ALSO BE FOUND HIGHLY USEFUL TO PRACTISING ENGINEERS AND YOUNG ACADEMICS TEACHING THE COURSE.

TEXTBOOK OF SURVEYING P. VENUGOPALA RAO 2015-01-01 THIS BOOK HAS BEEN DESIGNED TO BE AS A

FUNDAMENTAL TEXTBOOK ON SURVEYING, COVERING ALL ASPECTS—THEORY AND PRACTICAL (CASES, EXAMPLES)—FOR CIVIL ENGINEERING STUDENTS AT BOTH DEGREE AND DIPLOMA LEVEL. WRITTEN WITH A STUDENT-FRIENDLY APPROACH, THE BOOK CONTAINS SOLVED EXAMPLES AND ILLUSTRATIONS FOR EASY UNDERSTANDING OF THE SUBJECT. FIRST TEN CHAPTERS ARE THE ESSENTIAL CONCEPTS NEEDED TO BE STUDIED IN THE FIRST SEMESTER AND THE NEXT EIGHT CHAPTERS INCLUDE ADVANCED TOPICS ON TRIANGULATION, PHOTOGRAMMETRY, REMOTE SENSING AND ASTRONOMY THAT ARE MEANT FOR HIGHER SEMESTERS. DETAILS OF SURVEY CAMP WORK AND EXTENSIVE SURVEY PROJECTS ARE ALSO DEALT WITH IN THE CHAPTERS AND IN AN APPENDIX SEPARATELY. EMPHASIS IS GIVEN TO THE SYSTEMATIC AND DETAILED PRESENTATION OF TOPICS IN ONE VOLUME TO BENEFIT THE STUDENTS IN THEIR COURSE WORK. KEY FEATURES ILLUSTRATIVE FIGURES EXEMPLIFY THE THEORIES PROFOUNDLY EXHAUSTIVE SOLVED EXAMPLES TO HELP STUDENTS GRASP THE CONCEPTS EASILY ANALYTICAL EXERCISES AND NUMERICAL PROBLEMS TO JUDGE STUDENTS' COMPREHENSION ON THE SUBJECT

PRESTRESSED CONCRETE MUTHU K. U. 2016-01-18 THE BOOK BEGINS WITH A BRIEF INTRODUCTION, HELPING THE READER TO UNDERSTAND THE FUNDAMENTALS OF STRESS CONCEPT AND PRESTRESSED CONCRETE SYSTEMS. THE DISCUSSION THEN FOLLOWS TO EXPLAIN THE COMPUTATION OF DIFFERENT LOSSES AND ESTIMATION OF ULTIMATE FLEXURAL AND SHEAR STRENGTH. IMPORTANT CODAL PROVISIONS VIZ. IS 1343-2012, EUROCODE EN2 AND BSEN-1:2004 ARE ALSO HIGHLIGHTED IN THIS TEXT. FOR CLEAR UNDERSTANDING OF THE MATERIALS, THE TEXT IS SUPPORTED BY A GOOD NUMBER OF FIGURES AND TABLES. BESIDES COVERING THE IMPORTANT TOPICS ON DESIGN AND ANALYSIS OF ANCHORAGE ZONE STRESSES AND ANALYSIS OF CONTINUOUS BEAM, THE BOOK ALSO DISCUSSES COMPOSITE CONSTRUCTION AND CIRCULAR PRESTRESSING. THE BOOK IS DESIGNED AS A TEXTBOOK FOR THE SENIOR LEVEL UNDERGRADUATE AND POSTGRADUATE STUDENTS OF CIVIL ENGINEERING AND CONSTRUCTION TECHNOLOGY. KEY FEATURES

THEORETICAL AND NUMERICAL UNSATURATED SOIL MECHANICS Tom Schanz 2007-05-24 THESE PROCEEDINGS ARE A CONTINUATION OF THE SERIES OF INTERNATIONAL CONFERENCES IN GERMANY ENTITLED "MECHANICS OF UNSATURATED SOILS." THE PRIMARY OBJECTIVE IS TO DISCUSS AND UNDERSTAND UNSATURATED SOIL BEHAVIOUR SUCH THAT ENGINEERED ACTIVITIES ARE MADE BETTER WITH TIMES IN TERMS OF JUDGMENT AND QUALITY. THE PROCEEDINGS CONTAIN RECENT RESEARCH BY LEADING EXPERTS IN MECHANICS OF UNSATURATED SOILS.

ADVANCED SOIL DYNAMICS AND EARTHQUAKE ENGINEERING 2011

PILE FOUNDATIONS IN ENGINEERING PRACTICE SHAMSHER PRAKASH 1991-01-16 THIS IS A CONCISE, SYSTEMATIC AND COMPLETE TREATMENT OF THE DESIGN AND CONSTRUCTION OF PILE FOUNDATIONS. DISCUSSES PILE BEHAVIOR UNDER VARIOUS LOADINGS AND TYPES OF PILES AND THEIR INSTALLATION, INCLUDING CONSIDERATION OF SOIL PARAMETERS. IT PROVIDES STEP-BY-STEP DESIGN PROCEDURES FOR PILES SUBJECT TO VERTICAL LOADING AND PULLOUT, LATERAL, INCLINED AND ECCENTRIC LOADS, OR DYNAMIC LOADS, AND FOR PILES IN PERMAFROST. ALSO DESCRIBES LOAD TEST PROCEDURES AND THEIR INTERPRETATION AND BUCKLING OF LONG, SLENDER PILES WITH AND WITHOUT SUPPORTED LENGTH. THE CLOSING CHAPTER PRESENTS CASE HISTORIES OF PREDICTION AND PERFORMANCE OF PILES AND PILE GROUPS. INCLUDES NUMEROUS SOLVED PROBLEMS.

BUILDING MATERIALS P.C. VARGHESE 2015-02-26 THIS PRACTICE-ORIENTED BOOK, NOW IN ITS SECOND EDITION, PRESENTS A LUCID YET COMPREHENSIVE COVERAGE OF THE ENGINEERING PROPERTIES AND USES OF THE MATERIALS COMMONLY USED IN BUILDING CONSTRUCTION IN INDIA. PROFUSELY ILLUSTRATED WITH TABLES AND DIAGRAMS, THE BOOK BRINGS INTO LIGHT THE BASICS OF BUILDING MATERIALS AND THEIR SPECIFICATIONS. BESIDES GIVING INFORMATION REGARDING THE TRADITIONAL BUILDING MATERIALS, THE TEXT NOW ACQUAINTS THE READER WITH UP-TO-DATE AND IN-DEPTH INFORMATION PERTAINING TO MODERN MATERIALS AVAILABLE IN THE MARKET. THE REFERENCES TO IS CODES AND STANDARDS MAKE THIS TEXT SUITABLE FOR FURTHER STUDY AND FIELD USE. THE SECOND EDITION POSSESSES SOME SUBSTANTIAL CHANGES IN CHAPTERS 12, 13, 14 AND 20. NOW, THE BOOK OFFERS A NEW SECTION ON DURABILITY OF CONCRETE IN CHAPTER 12; A MODIFIED SECTION REGARDING REVISION OF IS 10262 (1982) CODE ON CONCRETE MIX DESIGN TO IS 10262 (2009) AND A NEW SECTION ON CLASSIFICATION OF EXPOSURE CONDITIONS IN CHAPTER 13; AND A NEW SECTION RELATING TO LARGE ADVANCES MADE IN CONCRETE CONSTRUCTION AND REPAIR CHEMICALS IN CHAPTER 14. BESIDES, THE CONTENT OF CHAPTER 20 HAS BEEN COMPLETELY UPDATED, WITH A PARTICULAR EMPHASIS ON THE EXTENSIVE USE OF ALUMINIUM IN BUILDING CONSTRUCTION. PRIMARILY INTENDED FOR THE STUDENTS PURSUING UNDERGRADUATE DEGREE (B.E./B.TECH.) AND DIPLOMA COURSES IN CIVIL ENGINEERING AND ARCHITECTURE, THE BOOK, ON ACCOUNT OF LECTURE-BASED PRESENTATION OF THE SUBJECT, SHOULD ALSO PROVE EMINENTLY UTILITARIAN FOR THE YOUNG TEACHERS TO USE IT IN THEIR CLASSROOM LECTURES AS WELL AS FOR PRACTISING ENGINEERS TO GET A CLEAR UNDERSTANDING OF THE FUNDAMENTALS OF THE SUBJECT. NEW TO THE SECOND EDITION REVIEW QUESTIONS AT THE END OF EACH CHAPTER ENABLE THE READER TO RECAPITULATE THE TOPICS CONSIDERABLE ATTENTION IS GIVEN ON FIELD PRACTICE SYLLABUS OF LABORATORY WORK ON CONSTRUCTION MATERIALS AND A MODEL QUESTION PAPER (ANNA UNIVERSITY) ARE GIVEN IN APPENDICES TO GUIDE THE READER.

BASIC AND APPLIED SOIL MECHANICS GOPAL RANJAN 2007 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.

DESIGN OF REINFORCED CONCRETE FOUNDATIONS P. C. VARGHESE 2009

BUILDING CONSTRUCTION P.C. VARGHESE, 2016-12-01 THIS WELL RECOGNIZED AND ESTABLISHED BOOK, A COMPANION VOLUME TO THE AUTHOR'S BOOK ON BUILDING MATERIALS, EXPLAINS THE BASICS OF BUILDING CONSTRUCTION PRACTICES IN AN ACCESSIBLE STYLE. IT DISCUSSES IN DETAIL EVERY ELEMENT OF BUILDING CONSTRUCTION FROM START TO THE FINISH—FROM SITE PREPARATION TO PROVISION OF SERVICES (SUCH AS WATER SUPPLY, DRAINAGE AND ELECTRICITY SUPPLY). BESIDES, THE TEXT DESCRIBES ACOUSTICS AND MAINTENANCE OF BUILDINGS, WHICH ARE IMPORTANT CONSIDERATIONS IN BUILDING CONSTRUCTION. THIS BOOK IS PRIMARILY DESIGNED AS AN INTRODUCTORY TEXT FOR UNDERGRADUATE STUDENTS OF CIVIL ENGINEERING AS WELL AS THOSE PURSUING DIPLOMA COURSES IN CIVIL ENGINEERING AND ARCHITECTURE. PRACTICING ENGINEERS AND ANY PERSON WHO HAS A KEEN INTEREST IN THE CONSTRUCTION AND MAINTENANCE OF HIS/HER OWN BUILDING WILL ALSO FIND THE BOOK VERY HELPFUL.

A TEXTBOOK OF GEOTECHNICAL ENGINEERING IQBAL H. KHAN 2004-08-01

LIMIT STATE DESIGN OF REINFORCED CONCRETE P. C. VARGHESE 2008-09-23 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.

THE CRYSTALLIZATION OF THE ARAB STATE SYSTEM, 1945-1954 BRUCE MADDY-WEITZMAN 1993-06-01 THIS VOLUME CONTAINS A COMPREHENSIVE EXAMINATION OF THE CRUCIAL FIRST TEN YEARS OF THE ARAB LEAGUE AND OF THE CONTINUING DILEMMA IT FACES IN JUGGLING OPPOSING LOCAL AND REGIONAL INTERESTS.