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VETERINARY MICROBIOLOGY & PARASITOLOGY ROBERT W. LI 2021-09-08 NUMEROUS PATHOGENS AFFECT ANIMAL HEALTH AND WELLBEING AND PRODUCTION EFFICIENCY. THESE PATHOGENS ALSO HAVE A CONSIDERABLE IMPACT ON SOCIAL ECONOMICS, FOOD SAFETY AND SECURITY, AND HUMAN HEALTH. INFECTIOUS DISEASES THAT ORIGINATE FROM BOTH DOMESTICATED ANIMALS AND WILDLIFE REPRESENT ONE OF THE GREATEST THREATS TO HUMAN HEALTH. RECENT STUDIES SHOW THAT DOMESTICATED SPECIES HARBOR APPROXIMATELY 84 TIMES MORE ZOO NOTIC VIRUSES THAN WILD SPECIES. EIGHT OF THE TOP 10 MAMMALIAN SPECIES WITH THE HIGHEST NUMBER OF ZOO NOTIC VIRUSES ARE DOMESTIC, SUCH AS PIGS, CATTLE, AND HORSES. MANY ANIMAL PARASITES ARE ALSO ZOO NOTIC, CONSTITUTING AN ADDITIONAL BURDEN ON HUMAN HEALTH. FURTHERMORE, THE RAPID EMERGENCE AND SPREAD OF DRUG-RESISTANT PATHOGEN STRAINS POSE NEW THREATS TO ANIMAL AND HUMAN HEALTH. CLIMATE CHANGES WILL UNDOUBTEDLY ALTER THE INTERACTIONS BETWEEN ANIMALS AND BETWEEN ANIMALS AND HUMANS, WHICH WILL HAVE A HUGE IMPACT ON THE TRANSMISSION RATE OF EXISTING PATHOGENS AND THE EMERGENCE OF NEW PATHOGENS OR THE REEMERGENCE OF OLD PATHOGENS. IN THIS SPECIAL COLLECTION, INTERACTIONS OF ALL MAJOR PATHOGEN TYPES, INCLUDING VIRUSES, BACTERIA, MITES AND FLIES, PROTOZOANS, AND HELMINTHS, AND THEIR HOSTS, SUCH AS WILD AND COMPANION ANIMALS AND LIVESTOCK SPECIES, ARE DISCUSSED. FURTHER, ANTHELMINTIC ACTIVITIES OF NATURAL PRODUCTS ARE EVALUATED. THE RELEVANCE AND UTILITY OF CUTTING-EDGE TOOLS, SUCH AS IMMUNOLOGY, GENOMICS AND GENETICS, MICROBIOME STUDIES AND METABOLOMICS, AND MOLECULAR EPIDEMIOLOGY, IN DISSECTING HOST-PATHOGEN INTERACTIONS ARE ALSO DISCUSSED. THIS SPECIAL COLLECTION PROVIDES A BROAD KNOWLEDGE BASE THAT ENCOURAGES DIALOGUE ACROSS A WIDE DISTRIBUTION OF THE RESEARCH COMMUNITY IN VETERINARY MICROBIOLOGY AND PARASITOLOGY.

THE MATHEMATICS OF DATA MICHAEL W. MAHONEY 2018-11-15 NOTHING PROVIDED

TOPOLOGY I S.P. NOVIKOV 2013-06-29 THIS UP-TO-DATE SURVEY OF THE WHOLE FIELD OF TOPOLOGY IS THE FLAGSHIP OF THE TOPOLOGY SUBSERIES OF THE ENCYCLOPAEDIA. THE BOOK GIVES AN OVERVIEW OF VARIOUS SUBFIELDS, BEGINNING WITH THE ELEMENTS AND PROCEEDING RIGHT UP TO THE PRESENT FRONTIERS OF RESEARCH.

PROBABILITY AND MEASURE, 3RD ED PATRICK BILLINGSLEY 2008-08-04 NOW IN ITS NEW THIRD EDITION, PROBABILITY AND MEASURE OFFERS ADVANCED STUDENTS, SCIENTISTS, AND ENGINEERS AN INTEGRATED INTRODUCTION TO MEASURE THEORY AND PROBABILITY. RETAINING THE UNIQUE APPROACH OF THE PREVIOUS EDITIONS, THIS TEXT INTERWEAVES MATERIAL ON PROBABILITY AND MEASURE, SO THAT PROBABILITY PROBLEMS GENERATE AN INTEREST IN MEASURE THEORY AND MEASURE THEORY IS THEN DEVELOPED AND APPLIED TO PROBABILITY. PROBABILITY AND MEASURE PROVIDES THOROUGH COVERAGE OF PROBABILITY, MEASURE, INTEGRATION, RANDOM VARIABLES AND EXPECTED VALUES, CONVERGENCE OF DISTRIBUTIONS, DERIVATIVES AND CONDITIONAL PROBABILITY, AND STOCHASTIC PROCESSES. THE THIRD EDITION FEATURES AN IMPROVED TREATMENT OF BROWNIAN MOTION AND THE REPLACEMENT OF QUEUING THEORY WITH ERGODIC THEORY. · PROBABILITY · MEASURE · INTEGRATION · RANDOM VARIABLES AND EXPECTED VALUES · CONVERGENCE OF DISTRIBUTIONS · DERIVATIVES AND CONDITIONAL PROBABILITY · STOCHASTIC PROCESSES

GRAPH THEORY K ALYANRAO TAKALE 2019-12 THIS BOOK IS BASED ON A COURSE GRAPH THEORY. WE WRITE THIS BOOK AS PER THE REVISED SYLLABUS OF F.Y. B.Sc.(COMPUTER SCIENCE) MATHEMATICS, REVISED BY SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE, IMPLEMENTED FROM JUNE 2019. GRAPH THEORY IS THE MOST USEFUL SUBJECT IN ALL BRANCHES OF MATHEMATICS AND IT IS USED EXTENSIVELY IN APPLIED MATHEMATICS AND ENGINEERING. GRAPHS THEORY IS THE STUDY OF GRAPHS, WHICH ARE MATHEMATICAL STRUCTURES USED TO MODEL PAIRWISE RELATIONS BETWEEN OBJECTS. IT IS A BRIDGE CONNECTING MATHEMATICS WITH VARIOUS BRANCHES OF COMPUTER SCIENCE. WE STUDY HOW PROBLEMS IN ALMOST EVERY CONCEIVABLE DISCIPLINE CAN BE SOLVED USING GRAPH MODELS.

OFFICIAL GRE QUANTITATIVE REASONING PRACTICE QUESTIONS EDUCATIONAL TESTING SERVICE 2014-08-15 150 REAL GRE QUANTITATIVE REASONING QUESTIONS--DIRECT FROM THE TEST MAKER! THE BEST WAY TO PREPARE FOR THE QUANTITATIVE REASONING MEASURE OF THE GRE REVISED GENERAL TEST IS WITH REAL GRE TEST QUESTIONS--AND THAT IS WHAT YOU WILL FIND IN THIS UNIQUE GUIDE! SPECIALLY CREATED FOR YOU BY ETS, IT OFFERS 150 ACTUAL QUANTITATIVE REASONING QUESTIONS WITH COMPLETE EXPLANATIONS. PLUS, THIS GUIDE INCLUDES A REVIEW OF MATH TOPICS LIKELY TO APPEAR ON THE QUANTITATIVE REASONING MEASURE. ONLY ETS CAN SHOW YOU EXACTLY WHAT TO EXPECT ON THE TEST. SO FOR IN-DEPTH PRACTICE AND ACCURATE TEST PREPARATION FOR THE QUANTITATIVE REASONING MEASURE, THIS GUIDE IS YOUR BEST CHOICE! LOOK INSIDE TO FIND: REAL GRE QUANTITATIVE REASONING TEST QUESTIONS ARRANGED BY CONTENT AND QUESTION TYPE--TO HELP YOU BUILD YOUR TEST-TAKING SKILLS. PLUS, MIXED PRACTICE SETS. ANSWERS AND EXPLANATIONS FOR EVERY QUESTION! GRE MATH REVIEW COVERING MATH TOPICS YOU NEED TO KNOW FOR THE TEST. ETS'S OWN TEST-TAKING STRATEGIES: VALUABLE HINTS AND TIPS TO HELP YOU DO YOUR BEST ON THE TEST. OFFICIAL INFORMATION ON THE GRE QUANTITATIVE REASONING MEASURE: THE FACTS ABOUT THE TEST CONTENT, STRUCTURE, SCORING, AND MORE--STRAIGHT FROM ETS.

JNU RPH EDITORIAL BOARD 2020-10 PRESENT BOOK HAS BEEN SPECIALLY PUBLISHED FOR THE ASPIRANTS OF ENTRANCE EXAM FOR ADMISSION TO M.A. (INTERNATIONAL RELATIONS AND AREA STUDIES) COURSE CONDUCTED BY THE JAWAHARLAL NEHRU UNIVERSITY, DELHI. SALIENT FEATURES OF THE BOOK: - THE BOOK COMPRISES, ALONG WITH THE SPECIALISED STUDY MATERIAL, SOLVED PREVIOUS YEAR PAPER TO MAKE YOU WELL-CONVERSANT WITH THE EXAM PATTERN, THE TYPE OF QUESTIONS ASKED AND THEIR APPROPRIATE ANSWERS FOR BETTER UNDERSTANDING. - THE BOOK CONTAINS AMPLE STUDY AND PRACTICE MATERIAL WITH NUMEROUS MULTIPLE CHOICE QUESTION-ANSWERS ON ALL THE RELEVANT CHAPTERS & TOPICS. - BOTH THE STUDY AND PRACTICE MATERIAL HAVE BEEN PREPARED BY LEARNED SUBJECT-EXPERT. THE BOOK WILL SERVE BOTH AS STUDY MATERIAL AND A TRUE TEST OF YOUR PREPARATION FOR THE EXAM. - IT IS BELIEVED, THE BOOK WILL PROVE VERY USEFUL FOR STUDY, PRACTICE AND DURING PRECIOUS MOMENTS BEFORE THE EXAM FOR REFERENCE AND REVISION. IT IS HIGHLY RECOMMENDED TO SHARPEN YOUR PROBLEM SOLVING SKILLS WITH THOROUGH PRACTICE OF NUMEROUS QUESTIONS PROVIDED IN THE BOOK, AND PREPARE YOURSELF TO FACE THE EXAM WITH CONFIDENCE, SUCCESSFULLY. WHILE THE SPECIALISED STUDY AND PRACTICE MATERIAL OF THIS BOOK IS AIMED TO PROFESSIONALLY GUIDE YOU FOR THE EXAM, YOUR OWN INTELLIGENT STUDY AND PRACTICE IN HARMONY WITH THIS WILL ENSURE YOU A DEFINITE SUCCESS IN YOUR ENDEAVOUR AND A SEAT IN THE PRESTIGIOUS COURSE.

METRIC SPACES MICHÉL O'SEARCOID 2009-10-12 THE ABSTRACT CONCEPTS OF METRIC SPACES ARE OFTEN PERCEIVED AS DIFFICULT. THIS BOOK OFFERS A UNIQUE APPROACH TO THE SUBJECT WHICH GIVES READERS THE ADVANTAGE OF A NEW PERSPECTIVE ON IDEAS FAMILIAR FROM THE ANALYSIS OF A REAL LINE. RATHER THAN PASSING QUICKLY FROM THE DEFINITION OF A METRIC TO THE MORE ABSTRACT CONCEPTS OF CONVERGENCE AND CONTINUITY, THE AUTHOR TAKES THE CONCRETE NOTION OF DISTANCE AS FAR AS POSSIBLE, ILLUSTRATING THE TEXT WITH EXAMPLES AND NATURALLY ARISING QUESTIONS. ATTENTION TO DETAIL AT THIS STAGE IS DESIGNED TO PREPARE THE READER TO UNDERSTAND THE MORE ABSTRACT IDEAS WITH RELATIVE EASE.

HIGHER ENGINEERING MATHEMATICS 40TH EDITION B S GREWAL

LINEAR ALGEBRA II FREDERICK P. GREENLEAF 2020-05-06 THIS BOOK IS THE SECOND OF TWO VOLUMES ON LINEAR ALGEBRA FOR GRADUATE STUDENTS IN MATHEMATICS, THE SCIENCES, AND ECONOMICS, WHO HAVE: A PRIOR UNDERGRADUATE COURSE IN THE SUBJECT; A BASIC UNDERSTANDING OF MATRIX ALGEBRA; AND SOME PROFICIENCY WITH MATHEMATICAL PROOFS. BOTH VOLUMES HAVE BEEN USED FOR SEVERAL YEARS IN A ONE-YEAR COURSE SEQUENCE, LINEAR ALGEBRA I AND II, OFFERED AT NEW YORK UNIVERSITY'S COURANT INSTITUTE. THE FIRST THREE CHAPTERS OF THIS SECOND VOLUME ROUND OUT THE COVERAGE OF TRADITIONAL LINEAR ALGEBRA TOPICS: GENERALIZED EIGENSPACES, FURTHER APPLICATIONS OF JORDAN FORM, AS WELL AS BILINEAR, QUADRATIC, AND MULTILINEAR FORMS. THE FINAL TWO CHAPTERS ARE DIFFERENT, BEING MORE OR LESS SELF-CONTAINED ACCOUNTS OF SPECIAL TOPICS THAT EXPLORE MORE ADVANCED ASPECTS OF MODERN ALGEBRA: TENSOR FIELDS, MANIFOLDS, AND VECTOR CALCULUS IN CHAPTER 4 AND MATRIX LIE GROUPS IN CHAPTER 5. THE READER CAN CHOOSE TO PURSUE EITHER CHAPTER. BOTH DEAL WITH VAST TOPICS IN CONTEMPORARY MATHEMATICS. THEY INCLUDE HISTORICAL COMMENTARY ON HOW MODERN VIEWS EVOLVED, AS WELL AS EXAMPLES FROM GEOMETRY AND THE PHYSICAL SCIENCES IN WHICH THESE TOPICS ARE IMPORTANT. THE BOOK PROVIDES A NICE AND VARIED SELECTION OF EXERCISES; EXAMPLES ARE WELL-CRAFTED AND PROVIDE A CLEAR UNDERSTANDING OF THE METHODS INVOLVED.

THE SCHRÖDINGER EQUATION WALTER THIRRING 2012-12-06 ON THE OCCASION OF THE 50TH ANNIVERSARY OF THE DISCOVERY OF THE SCHRÖDINGER EQUATION A SMALL SYMPOSIUM WAS ORGANIZED IN VIENNA. IT HAD MAINLY RETROSPECTIVE CHARACTER, WHERE AFTER AN APPRECIATION OF SCHRÖDINGER'S SCIENTIFIC ACHIEVEMENTS THE RESULTS WERE COLLECTED WHICH ONE COULD EXTRACT FROM HIS EQUATION. OF COURSE NOT ALL THE DEVELOPMENTS WHICH ORIGINATED IN SCHRÖDINGER'S DISCOVERIES COULD BE INCLUDED. INSTEAD, IT WAS ATTEMPTED TO PRESENT A REVIEW OF THE ESTABLISHED PREDICTIONS WHICH

FOLLOW DIRECTLY FROM HIS EQUATION. DESPITE THE 50 YEARS OF ITS EXISTENCE THERE ARE ALWAYS NEW RESULTS OF THIS SORT BEING FOUND, ESPECIALLY BECAUSE THE NECESSARY MATHEMATICAL METHODS ARE BEING DEVELOPED AND BECOME KNOWN TO THE PHYSICISTS SLOWLY ONLY NOW .. I WANT TO TAKE THE OPPORTUNITY HERE TO THANK THE LECTURERS FOR THEIR EFFORTS WHICH THEY PUT INTO THEIR EXCELLENT TALKS AND THEIR WRITTEN VERSIONS. WITH THEIR HELP THIS VOLUME SHOULD BECOME A USEFUL DOCUMENT ON THE CURRENT MATHEMATICAL ART IN THE TREATMENT OF THE SCHRODINGER EQUATION. FINALLY IT IS MY PLEASANT OBLIGATION TO THANK THE BUNDESMINISTERIUM FÜR WISSENSCHAFT UND FORSCHUNG AND THE KULTURAMT DER GEMEINDE WIEN FOR THEIR FINANCIAL SUPPORT WHICH MADE IT POSSIBLE TO HONOR ONE OF THE GREAT AUSTRIAN SCIENTISTS.

A COURSE IN FUNCTIONAL ANALYSIS JOHN B CONWAY 2019-03-09 THIS BOOK IS AN INTRODUCTORY TEXT IN FUNCTIONAL ANALYSIS. UNLIKE MANY MODERN TREATMENTS, IT BEGINS WITH THE PARTICULAR AND WORKS ITS WAY TO THE MORE GENERAL. FROM THE REVIEWS: "THIS BOOK IS AN EXCELLENT TEXT FOR A FIRST GRADUATE COURSE IN FUNCTIONAL ANALYSIS....MANY INTERESTING AND IMPORTANT APPLICATIONS ARE INCLUDED....IT INCLUDES AN ABUNDANCE OF EXERCISES, AND IS WRITTEN IN THE ENGAGING AND LUCID STYLE WHICH WE HAVE COME TO EXPECT FROM THE AUTHOR." --MATHEMATICAL REVIEWS

INSTRUCTOR'S MANUAL TO ACCOMPANY FUNDAMENTALS OF ABSTRACT ALGEBRA D. S. MALIK 1997

LINEAR ALGEBRA (2 CREDITS) MATHEMATICS M. D. BHAGAT 2019-11 THIS BOOK IS WRITTEN STRICTLY ACCORDING TO THE NEW REVISED SYLLABUS OF SAVITRIBAI PHULE PUNE UNIVERSITY TO BE IMPLEMENTED FROM JUNE 2019. WE HAVE TAKEN UTMOST CARE TO PRESENT THE MATTER SYSTEMATICALLY AND WITH PROPER FLOW OF MATHEMATICAL CONCEPTS. WE BEGIN THE CHAPTER BY INTRODUCTION AND AT THE END THE SUMMARY OF THE CHAPTER IS PROVIDED. WE HAVE ADDED ONE SIGNIFICANT FEATURE: ""THINK OVER IT"" IN THIS NEW EDITION.

MATHEMATICAL METHODS G. SHANKER RAO 2013-12-30 THIS BOOK IS DESIGNED TO MEET THE REQUIREMENTS OF STUDENTS OF SCIENCE AND ENGINEERING. THIS BOOK OFFERS THE FOLLOWING TOPICS: INTERPOLATION, CURVE FITTING MATRICES, EIGEN VALUES AND EIGEN VECTORS, QUADRATIC FORMS, FOURIER SERIES, PARTIAL DIFFERENTIAL EQUATIONS AND Z-TRANSFORMS. EACH CHAPTER IS SUPPLEMENTED WITH A NUMBER OF WORKED-OUT EXAMPLES AS WELL AS NUMBER OF PROBLEMS TO BE SOLVED BY THE STUDENTS. THIS WOULD HELP IN THE BETTER UNDERSTANDING OF THE SUBJECT.

ELEMENTARY TOPICS IN DIFFERENTIAL GEOMETRY J. A. THORPE 2012-12-06 IN THE PAST DECADE THERE HAS BEEN A SIGNIFICANT CHANGE IN THE FRESHMAN/ SOPHOMORE MATHEMATICS CURRICULUM AS TAUGHT AT MANY, IF NOT MOST, OF OUR COLLEGES. THIS HAS BEEN BROUGHT ABOUT BY THE INTRODUCTION OF LINEAR ALGEBRA INTO THE CURRICULUM AT THE SOPHOMORE LEVEL. THE ADVANTAGES OF USING LINEAR ALGEBRA BOTH IN THE TEACHING OF DIFFERENTIAL EQUATIONS AND IN THE TEACHING OF MULTIVARIATE CALCULUS ARE BY NOW WIDELY RECOGNIZED. SEVERAL TEXTBOOKS ADOPTING THIS POINT OF VIEW ARE NOW AVAILABLE AND HAVE BEEN WIDELY ADOPTED. STUDENTS COMPLETING THE SOPHOMORE YEAR NOW HAVE A FAIR PRELIMINARY UNDERSTANDING OF SPACES OF MANY DIMENSIONS. IT SHOULD BE APPARENT THAT COURSES ON THE JUNIOR LEVEL SHOULD DRAW UPON AND REINFORCE THE CONCEPTS AND SKILLS LEARNED DURING THE PREVIOUS YEAR. UNFORTUNATELY, IN DIFFERENTIAL GEOMETRY AT LEAST, THIS IS USUALLY NOT THE CASE. TEXTBOOKS DIRECTED TO STUDENTS AT THIS LEVEL GENERALLY RESTRICT ATTENTION TO 2-DIMENSIONAL SURFACES IN 3-SPACE RATHER THAN TO SURFACES OF ARBITRARY DIMENSION. ALTHOUGH MOST OF THE RECENT BOOKS DO USE LINEAR ALGEBRA, IT IS ONLY THE ALGEBRA OF ~ 3 . THE STUDENT'S PRELIMINARY UNDERSTANDING OF HIGHER DIMENSIONS IS NOT CULTIVATED.

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FOUNDATIONS OF DISCRETE MATHEMATICS K. D. JOSHI 1989 THIS BOOK IS MEANT TO BE MORE THAN JUST A TEXT IN DISCRETE MATHEMATICS. IT IS A FORERUNNER OF ANOTHER BOOK APPLIED DISCRETE STRUCTURES BY THE SAME AUTHOR. THE ULTIMATE GOAL OF THE TWO BOOKS ARE TO MAKE A STRONG CASE FOR THE INCLUSION OF DISCRETE MATHEMATICS IN THE UNDERGRADUATE CURRICULA OF MATHEMATICS BY CREATING A SEQUENCE OF COURSES IN DISCRETE MATHEMATICS PARALLEL TO THE TRADITIONAL SEQUENCE OF CALCULUS-BASED COURSES. THE PRESENT BOOK COVERS THE FOUNDATIONS OF DISCRETE MATHEMATICS IN SEVEN CHAPTERS. IT LAYS A HEAVY EMPHASIS ON MOTIVATION AND ATTEMPTS CLARITY WITHOUT SACRIFICING RIGOUR. A LIST OF TYPICAL PROBLEMS IS GIVEN IN THE FIRST CHAPTER. THESE PROBLEMS ARE USED THROUGHOUT THE BOOK TO MOTIVATE VARIOUS CONCEPTS. A REVIEW OF LOGIC IS INCLUDED TO GEAR THE READER INTO A PROPER FRAME OF MIND. THE BASIC COUNTING TECHNIQUES ARE COVERED IN CHAPTERS 2 AND 7. THOSE IN CHAPTER 2 ARE ELEMENTARY. BUT THEY ARE INTENTIONALLY COVERED IN A FORMAL MANNER SO AS TO ACQUAINT THE READER WITH THE TRADITIONAL DEFINITION-THEOREM-PROOF PATTERN OF MATHEMATICS. CHAPTERS 3 INTRODUCES ABSTRACTION AND SHOWS HOW THE FOCAL POINT OF TODAY'S MATHEMATICS IS NOT NUMBERS BUT SETS CARRYING SUITABLE STRUCTURES. CHAPTER 4 DEALS WITH

BOOLEAN ALGEBRAS AND THEIR APPLICATIONS. CHAPTERS 5 AND 6 DEAL WITH MORE TRADITIONAL TOPICS IN ALGEBRA, VIZ., GROUPS, RINGS, FIELDS, VECTOR SPACES AND MATRICES. THE PRESENTATION IS ELEMENTARY AND PRESUPPOSES NO MATHEMATICAL MATURITY ON THE PART OF THE READER. INSTEAD, COMMENTS ARE INSERTED LIBERALLY TO INCREASE HIS MATURITY. EACH CHAPTER HAS FOUR SECTIONS. EACH SECTION IS FOLLOWED BY EXERCISES (OF VARIOUS DEGREES OF DIFFICULTY) AND BY NOTES AND GUIDE TO LITERATURE. ANSWERS TO THE EXERCISES ARE PROVIDED AT THE END OF THE BOOK.

PRINCIPLES OF DISTRIBUTED DATABASE SYSTEMS M. TAMER [?] zsu 2011-02-24 THIS THIRD EDITION OF A CLASSIC TEXTBOOK CAN BE USED TO TEACH AT THE SENIOR UNDERGRADUATE AND GRADUATE LEVELS. THE MATERIAL CONCENTRATES ON FUNDAMENTAL THEORIES AS WELL AS TECHNIQUES AND ALGORITHMS. THE ADVENT OF THE INTERNET AND THE WORLD WIDE WEB, AND, MORE RECENTLY, THE EMERGENCE OF CLOUD COMPUTING AND STREAMING DATA APPLICATIONS, HAS FORCED A RENEWAL OF INTEREST IN DISTRIBUTED AND PARALLEL DATA MANAGEMENT, WHILE, AT THE SAME TIME, REQUIRING A RETHINKING OF SOME OF THE TRADITIONAL TECHNIQUES. THIS BOOK COVERS THE BREADTH AND DEPTH OF THIS RE-EMERGING FIELD. THE COVERAGE CONSISTS OF TWO PARTS. THE FIRST PART DISCUSSES THE FUNDAMENTAL PRINCIPLES OF DISTRIBUTED DATA MANAGEMENT AND INCLUDES DISTRIBUTION DESIGN, DATA INTEGRATION, DISTRIBUTED QUERY PROCESSING AND OPTIMIZATION, DISTRIBUTED TRANSACTION MANAGEMENT, AND REPLICATION. THE SECOND PART FOCUSES ON MORE ADVANCED TOPICS AND INCLUDES DISCUSSION OF PARALLEL DATABASE SYSTEMS, DISTRIBUTED OBJECT MANAGEMENT, PEER-TO-PEER DATA MANAGEMENT, WEB DATA MANAGEMENT, DATA STREAM SYSTEMS, AND CLOUD COMPUTING. NEW IN THIS EDITION: • NEW CHAPTERS, COVERING DATABASE REPLICATION, DATABASE INTEGRATION, MULTIDATABASE QUERY PROCESSING, PEER-TO-PEER DATA MANAGEMENT, AND WEB DATA MANAGEMENT. • COVERAGE OF EMERGING TOPICS SUCH AS DATA STREAMS AND CLOUD COMPUTING • EXTENSIVE REVISIONS AND UPDATES BASED ON YEARS OF CLASS TESTING AND FEEDBACK ANCILLARY TEACHING MATERIALS ARE AVAILABLE.

HIGHER EDUCATION THROUGH OPEN AND DISTANCE LEARNING KEITH HARRY 2002-09-11 PUBLISHED IN ASSOCIATION WITH THE COMMONWEALTH OF LEARNING OPEN AND DISTANCE LEARNING HAS EXPANDED DRAMATICALLY IN RECENT YEARS ACROSS THE WORLD, ACROSS THE SPECTRUM OF SUBJECT AREAS, AND ACROSS EDUCATIONAL LEVELS. THIS BOOK TAKES A DETAILED LOOK AT THE STATE OF THE ART OF OPEN AND DISTANCE LEARNING IN HIGHER EDUCATION, AND PRESENTS A FASCINATING PICTURE OF A WORLD AND ITS EDUCATIONAL CULTURE IN TRANSITION. THIS EDITED COLLECTION CONTAINS AUTHORITATIVE ANALYSES OF KEY ISSUES TOGETHER WITH CURRENT ACCOUNTS OF PRACTICE IN EACH REGION OF THE WORLD. IT INCLUDES *OPEN AND DISTANCE LEARNING IN RELATION TO INTERNATIONALISATION, LIFELONG LEARNING AND FLEXIBLE LEARNING *COSTS OF DISTANCE EDUCATION *THE IMPACT OF TELECOMMUNICATIONS *APPLICATIONS OF OPEN AND DISTANCE LEARNING IN AFRICA, THE AMERICAS, ASIA, EUROPE AND OCEANIA. IT DRAWS TOGETHER EXPERTS IN THE FIELD FROM ALL OVER THE WORLD, AND HAS A TRULY INTERNATIONAL PERSPECTIVE ON THE PHENOMENON OF OPEN AND DISTANCE LEARNING. ITS UNPARALLELED BREADTH OF COVERAGE MAKES IT AN INDISPENSABLE WORK OF REFERENCE FOR EXPERTS AND NEWCOMERS ALIKE.

PHONEGAP: BEGINNER'S GUIDE PURUSOTHAMAN RAMANUJAM 2015-07-28 GIVEN THE INCREASE IN USAGE OF MOBILE DEVICES, MOBILE APP DEVELOPMENT IS IN HUGE DEMAND. THIS BOOK PROVIDES YOU WITH THE SKILLS YOU NEED TO SUCCESSFULLY CREATE, DEVELOP, DEBUG, AND DEPLOY A CROSS-PLATFORM MOBILE APPLICATION WITH PHONEGAP 5. THE BOOK STARTS WITH THE BASICS OF PHONEGAP, COVERING SETTING UP YOUR DEVELOPMENT ENVIRONMENT, CREATING A SIMPLE PROJECT, AND DEBUGGING AND DEPLOYING IT TO YOUR MOBILE DEVICES. BY SEQUENTIALLY WORKING THROUGH THE SECTIONS IN EACH CHAPTER, YOU WILL QUICKLY GET TO KNOW ABOUT THE AVAILABLE FEATURES OF VARIOUS MOBILE FRAMEWORKS AND THE VARIOUS PHONEGAP PLUGINS YOU CAN UTILIZE TO CREATE YOUR APPS. YOU WILL THEN LEARN HOW TO BUILD A HYBRID APPLICATION USING PHONEGAP. FINALLY, BY THE END OF THE BOOK, YOU WILL BE ABLE TO IMPLEMENT THE MOST COMMON FEATURES OF MODERN MOBILE APPS AND BUILD RICH, NATIVE-STYLE APPLICATIONS.

ORGANIC REACTION MECHANISMS V. K. AHLUWALIA 2005 THIS BOOK, WRITTEN EXPLICITLY FOR GRADUATE AND POSTGRADUATE STUDENTS OF CHEMISTRY, PROVIDES AN EXTENSIVE COVERAGE OF VARIOUS ORGANIC REACTIONS AND REARRANGEMENTS WITH EMPHASIS ON THEIR APPLICATION IN SYNTHESIS. A SUMMARY OF OXIDATION AND REDUCTION OF ORGANIC COMPOUNDS IS GIVEN IN TABULAR FORM (CORRELATION TABLES) FOR THE CONVENIENCE OF STUDENTS. THE MOST COMMONLY ENCOUNTERED REACTION INTERMEDIATES ARE DEALT WITH. APPLICATIONS OF ORGANIC REAGENTS ILLUSTRATED WITH EXAMPLES AND PROBLEMS AT THE END OF EACH CHAPTER WILL ENABLE STUDENTS TO EVALUATE THEIR UNDERSTANDING OF THE TOPIC.

KVS PGT MATHEMATICS (E) 2018-08-25

CALCULUS FOR SCIENTISTS AND ENGINEERS K. D. JOSHI 2002 FOCUSING ON THE "WHY'S" OF MATHEMATICS RATHER THAN THE "HOW'S," THE UNIQUE APPROACH OF THIS TEXT WILL APPEAL TO A WIDE RANGE OF READERS, FROM THOSE TAKING A FIRST COURSE

IN CALCULUS TO THOSE SEEKING DEEPER INSIGHTS OR NEEDING A TRANSITION FROM CALCULUS TO ANALYSIS. THE AUTHOR TAKES CARE TO SUPPLY STRONG MOTIVATIONS FOR ABSTRACT CONCEPTS, THEREBY HELPING BEGINNERS OVERCOME THE INTIMIDATION OFTEN FELT WHEN FIRST CONFRONTING ABSTRACTION. WHILE EMPHASIZING THE "WHY'S," THE BOOK DOES NOT ENTIRELY NEGLECT THE "HOW'S" AND PROVIDES SUFFICIENT EXPOSURE TO THE TECHNIQUES THROUGH NUMEROUS EXERCISES, WITH ANSWERS SUPPLIED IN THE BACK OF THE BOOK.

CELL BIOLOGY AND INSTRUMENTATION YAROSLAV BLUME 2006 "CELLULAR PROCESSES, SIGNALLED BY UV RADIATION, CONTRIBUTE TO THE BEHAVIOR OF PLANTS UNDER VARIOUS AND DIFFERENT STRESSES IN THE ENVIRONMENT. THE IMPORTANCE OF THE FREE RADICAL, NITRIC OXIDE (NO) WAS IDENTIFIED AS A KEY EARLY SIGNAL IN THIS PROCESS. STRESS-INDUCED NO CAN BE PROTECTIVE, PRODUCE PHYSIOLOGICAL DISORDERS, DNA DAMAGE, AND PROGRAMMED CELL DEATH (APOPTOSIS). THIS VOLUME IS DIVIDED INTO THREE PARTS; (I) INSTRUMENTATION AND ECOLOGICAL ASPECTS; WHICH EVALUATES CASE HISTORIES AND INTRODUCES NEW INSTRUMENTS FOR THE NON-INVASIVE SENSING AND IMAGING OF UV-STRESS-RELATED DAMAGE IN VEGETATION. (II) EFFECTS OF UV RADIATION, NITRIC OXIDE AND PLANT STRESS; THIS IDENTIFIES THE CELL BIOLOGICAL HAZARDS OF UV RADIATION COUPLED TO OTHER ENVIRONMENTAL STRESSES, AND (III) PLANT STRESS AND PROGRAMMED CELL DEATH; EXAMINING HOW UV LIGHT MAY RELATE TO THE PRODUCTION OF NO BY PLANTS IN TERMS OF DNA DAMAGE, ERROR-PRONE REPAIR CELL CYCLES, AND THE MULTIPLE MECHANISMS OF PROGRAMMED CELL DEATH. THE MAIN AIM IN THIS PUBLICATION IS TO INTRODUCE NEW THEORETICAL DEVELOPMENTS AND INSTRUMENTATION FOR CELL BIOLOGY, TO UPDATE OUR UNDERSTANDING OF THE EFFECTS OF UV RADIATION AND TO EVALUATE HOW PLANTS USE UV SIGNALS TO PROTECT AGAINST DAMAGE AND ENHANCE THEIR PRODUCTIVITY."

METHODS OF REAL ANALYSIS RICHARD R. GOLDBERG 2019-07-30 THIS IS A TEXTBOOK FOR A ONE-YEAR COURSE IN ANALYSIS DESIGN FOR STUDENTS WHO HAVE COMPLETED THE ORDINARY COURSE IN ELEMENTARY CALCULUS.

TANCET MCA

APPLIED COMBINATORICS 1980

PHYSICS OF THE UNIVERSE A. HEWISH 1992

ACTUARIAL STATISTICS SHAILAJA R. DESHMUKH 2009

CRYPTOLOGICAL MATHEMATICS ROBERT LEWAND 2000-12-07 INTRODUCTION TO THE MATHEMATICS OF CRYPTOLOGY SUITABLE FOR BEGINNING UNDERGRADUATES.

NUMERICAL METHODS FOR MATHEMATICS, SCIENCE, AND ENGINEERING JOHN H. MATHEWS 1992-01 PROVIDES AN INTRODUCTION TO NUMERICAL ANALYSIS, WITH A PARTICULAR EMPHASIS ON WHY NUMERICAL METHODS WORK AND WHAT THEIR LIMITATIONS ARE. IN A STRAIGHTFORWARD PRESENTATION, THE BOOK SHOWS READERS HOW THE MATHEMATICS OF CALCULUS AND LINEAR ALGEBRA ARE IMPLEMENTED IN COMPUTER ALGORITHMS.

ENGINEERING MATHEMATICS - III M Y GOKHALE 2017-06-17 1 LINEAR DIFFERENTIAL EQUATIONS WITH CONSTANT COEFFICIENTS 2 SIMULTANEOUS LINEAR DIFFERENTIAL EQUATIONS 3 APPLICATIONS OF DIFFERENTIAL EQUATIONS 4 SYSTEM OF LINEAR EQUATIONS 5 NUMERICAL SOLUTION OF ORDINARY DIFFERENTIAL EQUATIONS 6 STATISTICS CORRELATION AND REGRESSION 7 PROBABILITY AND PROBABILITY DISTRIBUTIONS 8 VECTOR ALGEBRA 9 VECTOR DIFFERENTIATION 10 VECTOR INTEGRATION 11 APPLICATION OF VECTORS TO FLUID MECHANICS 12 APPLICATION OF PARTIAL DIFFERENTIAL EQUATIONS

MICROBIAL SYSTEMATICS BHAGWAN REKADWAD 2020-11-01 THIS BOOK PRESENTS RECENT SCIENTIFIC INVESTIGATIONS IN MICROBIAL ECOLOGY AND SYSTEMATICS. ADVANCED MICROBIAL SCIENCE INVESTIGATIONS EMPLOY THE LATEST TECHNOLOGIES FOR RESEARCH IN MICROBIOLOGY AND MICROBIAL APPLICATIONS. THE BOOK HAS COMPLETE INFORMATION ON CLASSICAL MICROBIOLOGY TECHNIQUES FOR ASSESSMENT OF THE COMPOSITION OF MICROBIAL DIVERSITY ASSESSMENT, ADVANCEMENT IN NEXT-GENERATION TECHNOLOGY, ADVANTAGES OF MICROBIAL PRODUCTS IN SUSTAINABLE DEVELOPMENTS AND THEIR APPLICATION FOR SOCIETAL BENEFITS. CURRENT RESEARCH ON MICROORGANISMS IS PRESENTED AS A PERFECT BOOK FOR STUDIES ON "MICROBIAL SYSTEMATICS". THIS BOOK WILL SERVE AS AN IMPORTANT RESOURCE FOR PRACTISING RESEARCH AND REVIEW FOR THE SCIENTIFIC COMMUNITY.

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ANALYTICAL CHEMISTRY DOUGLAS A. SKOOG 2000 PREPARE FOR EXAMS AND SUCCEED IN YOUR ANALYTICAL CHEMISTRY COURSE WITH THIS COMPREHENSIVE SOLUTIONS MANUAL! FEATURING WORKED OUT-SOLUTIONS TO THE PROBLEMS IN ANALYTICAL CHEMISTRY: AN INTRODUCTION, 7TH EDITION, THIS MANUAL SHOWS YOU HOW TO APPROACH AND SOLVE PROBLEMS USING THE SAME STEP-BY-STEP EXPLANATIONS FOUND IN YOUR TEXTBOOK EXAMPLES.

A TEXTBOOK OF BIOTECHNOLOGY R C DUBEY 1993 FOR UNIVERSITY & COLLEGE STUDENTS IN INDIA & ABROAD DUE TO EXPANDING HORIZON OF BIOTECHNOLOGY, IT WAS DIFFICULT TO ACCOMMODATE THE CURRENT INFORMATION OF BIOTECHNOLOGY IN DETAIL. THEREFORE, A SEPARATE BOOK ENTITLED ADVANCED BIOTECHNOLOGY HAS BEEN WRITTEN FOR THE POSTGRADUATE STUDENTS OF INDIAN UNIVERSITY AND COLLEGES. THEREFORE, THE PRESENT FORM OF A TEXTBOOK OF BIOTECHNOLOGY IS TOTALLY USEFUL FOR UNDERGRADUATE STUDENTS. A SEPARATE SECTION OF PROBIOTICS HAS BEEN ADDED IN CHAPTER 18. CHAPTER 27 ON EXPERIMENTS ON BIOTECHNOLOGY HAS BEEN DELETED FROM THE BOOK BECAUSE MOST OF THE EXPERIMENTS HAVE BEEN WRITTEN IN 'PRACTICAL MICROBIOLOGY' BY R.C. DUBEY AND D.K. MAHESHWARI. BIBLIOGRAPHY HAS BEEN ADDED TO HELP THE STUDENTS FOR FURTHER CONSULTATION OF RESOURCE MATERIALS.

CALCULUS -- II [2 CREDITS] MATHEMATICS M. D. BHAGAT 2019-10 THIS BOOK IS WRITTEN STRICTLY ACCORDING TO THE NEW REVISED SYLLABUS OF SAVITRIBAI PHULE PUNE UNIVERSITY TO BE IMPLEMENTED FROM JUNE 2019. WE HAVE TAKEN UTMOST CARE TO PRESENT THE MATTER SYSTEMATICALLY AND WITH PROPER FLOW OF MATHEMATICAL CONCEPTS. WE BEGIN THE CHAPTER BY INTRODUCTION AND AT THE END THE SUMMARY OF THE CHAPTER IS PROVIDED. WE HAVE ADDED ONE SIGNIFICANT FEATURE: ""THINK OVER IT"" IN THIS NEW EDITION.