

X10320

Reg. No. :

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Question Paper Code : X 10320

*B.E./B.Tech. DEGREE EXAMINATIONS, NOVEMBER/DECEMBER 2020 AND
APRIL/MAY 2021*

Fifth/Sixth Semester

Computer Science and Engineering CS

8591 – COMPUTER NETWORKS

*(Common to : Computer and Communication Engineering/Information
Technology) (Regulations 2017)*

Time : Three Hours

Maximum : 100 Marks

Answer ALL questions

PART – A

(10×2=20 Marks)

1. *How are the subgroups of OSI model layers segregated by their functions ?*
2. *Differentiate Circuit-switched networks and Packet-switched networks.*
3. *List out the functions of the Data Link Layer.*
4. *Find the Hamming distance between two pair of code words : A*
= 01011
B = 11110
5. *Why IPv6 is preferred over IPv4 ?*
6. *Find the class of each address.*
a) 11000001 10000011 00011011 11111111
b) 252.5.15.111
7. *How congestion occurs in a network ?*
8. *What happens in the three way handshaking between any two devices ?*
9. *Define anonymous FTP.*
10. *What is the difference between IMAP and POP ?*

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Statistics for Management MBA, FIRST SEMESTER Anna University, Chennai Dr. M. Shunmugasundaram, Dr. P. Periyasamy, Dr. R. Karthika, 2023-12-14 Statistics for Management MBA FIRST SEMESTER Anna University Chennai According to the new syllabus of Anna University Chennai *Engineering Mathematics* Alex, 2008 **Business Research Methods** Dr. T. Vetrivel, Dr. P. Priyadarsini, 2022-03-10 Buy E Book of Business Research Methods Book For MBA 2nd Semester of Anna University Chennai *Transforms and Partial Differential Equations* Dr. G. Nagarajan, Dr. M. Sundaraj, 2015-01-01 PREFACE This text book is an outcome of more than 22 years of teaching experience of the authors through classroom lectures faculty feedback student s expectations and university demands It is designed to cover all the units of third semester Anna University Chennai as per the new regulations The authors have calculated more than thirteen years past question papers and prepared a very comprehensive material that help the students directly to handle all types of questions in the examinations Salient features 100 % syllabus coverage More examples with step by step explanation Complicated problems are simplified Supported by clear illustrations Anna University Q A are solved Each and every step is explained very clear Related formulas are given in each problem Easy to understand solutions Diagrams are given wherever necessary Each unit is added with solved PART A questions **BUILDING MATERIALS, SECOND EDITION VARGHESE, P. C.,** 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

Solid Mechanics (For Anna University) Bhavikatti S.S., Throughout the book emphasis has been laid on developing the concepts clarifying the units to be used in final equations and neatly presenting solutions for the numerical problems The features of this one stop book will help the students to prepare themselves for taking up the design papers taught in higher classes Key Features1 Use of SI units 2 Summary of important concepts and formulae at the end of the book3 Large number of solved problems presented systematically4 Large number of exercise problems 5 Simple and clear explanation of concepts 6 Generous use of diagrams for better understanding7 Includes University question papers *Question Bank: Legal Aspects of Business* T.V. Ambuli ,S.P. Nisha Pradeepa,2020-08-11 Legal Aspects of Business is an important constitute of the business and corporate environment No Corporate entity can effectively work and survive without meeting legal obligations This book says it all in the form of Questions and Answers Questions are framed in such a way that the readers will be able to quickly connect with the content and subject The appropriate answers given under each question will lessen the burden of the students unlike the conventional means where learners try to navigate for answers for hours and hours **Environmental Science and Engineering (For Anna University)** Luiz, Arun T., Environmental Science Engineering **NUMERICAL METHODS FOR SCIENTISTS AND ENGINEERS, FOURTH EDITION** Rao, K. Sankara,2017-12-01 With a clarity of approach this easy to comprehend book gives an in depth analysis of the topics under Numerical Methods in a systematic manner Primarily intended for the undergraduate and postgraduate students in many branches of engineering physics mathematics and all those pursuing Bachelors Masters in computer applications Besides students those appearing for competitive examinations research scholars and professionals engaged in numerical computation will also be benefited by this book The fourth edition of this book has been updated by adding a current topic of interest on Finite Element Methods which is a versatile method to solve numerically several problems that arise in engineering design claiming many advantages over the existing methods Besides it introduces the basics in computing discusses various direct and iterative methods for solving algebraic and transcendental equations and a system of non linear equations linear system of equations matrix inversion and computation of eigenvalues and eigenvectors of a matrix It also provides a detailed discussion on Curve fitting Interpolation Numerical Differentiation and Integration besides explaining various single step and predictor corrector methods for solving ordinary differential equations finite difference methods for solving partial differential equations and numerical methods for solving Boundary Value Problems Fourier series approximation to a real continuous function is also presented The text is augmented with a plethora of examples and solved problems along with well illustrated figures for a practical understanding of the subject Chapter end exercises with answers and a detailed bibliography have also been provided NEW TO THIS EDITION Includes two new chapters on the basic concepts of the Finite Element Method and Coordinate Systems in Finite Element Methods with Applications in Heat Transfer and Structural Mechanics Provides more than 350 examples including numerous worked out problems Gives detailed solutions and hints to problems under Exercises Financial Management

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applications for the developing world AACC 2004 attracted 184 paper submissions from around the world making the reviewing and the selection process tough and time consuming The selected papers covered a wide range of topics genetic algorithms and soft computing scheduling timization and constraintsolving neuralnetworksandsupportvectormachines natural language processing and information retrieval speech and signal processing networks and mobile computing parallel grid and high performance computing innovative plications for the developing world cryptography and security and machine learning Papers were primarily judged on originality presentation relevance and quality of work Papers that had clearly demonstrated results were given preference

Controlling Epidemics With Mathematical and Machine Learning

Models Varghese, Abraham, Lacap, Jr., Eduardo M., Sajath, Ibrahim, Kumar, M. Kamal, Kolamban, Shajidmon, 2022-10-21

Communicable diseases have been an important part of human history Epidemics afflicted populations causing many deaths before gradually fading away and emerging again years after Epidemics of infectious diseases are occurring more often and spreading faster and further than ever in many different regions of the world The scientific community in addition to its accelerated efforts to develop an effective treatment and vaccination is also playing an important role in advising policymakers on possible non pharmacological approaches to limit the catastrophic impact of epidemics using mathematical and machine learning models Controlling Epidemics With Mathematical and Machine Learning Models provides mathematical and machine learning models for epidemical diseases with special attention given to the COVID 19 pandemic It gives mathematical proof of the stability and size of diseases Covering topics such as compartmental models reproduction number and SIR model simulation this premier reference source is an essential resource for statisticians government officials health professionals epidemiologists sociologists students and educators of higher education librarians researchers and academicians

International Journal of Mathematical Combinatorics, Volume 1, 2009 Linfan Mao, Topics in detail to be covered are Smarandache multi spaces with applications to other sciences such as those of algebraic multi systems multi metric spaces Smarandache geometries Differential Geometry Geometry on manifolds Topological graphs Algebraic graphs Random graphs Combinatorial maps Graph and map enumeration Combinatorial designs Combinatorial enumeration Low Dimensional Topology Differential Topology Topology of Manifolds Geometrical aspects of Mathematical Physics and Relations with Manifold Topology Applications of Smarandache multi spaces to theoretical physics Applications of Combinatorics to mathematics and theoretical physics Mathematical theory on gravitational fields Mathematical theory on parallel universes Other applications of Smarandache multi space and combinatorics

Mathematical Combinatorics, Vol. 1/2009 Linfan Mao, Papers on Problems of Persons with Disability PWD Using FRMs Topological Multi groups and Multi fields Involute and Evolute Curves of Spacelike Curve with a Spacelike Principal Normal in Minkowski 3 Space Smarandache Breadth Pseudo Null Curves in Minkowski Space time and similar topics Contributors W B Vasantha Kandasamy A Praveen Prakash K Thirusangu Bahaddin Bukcu Murat Kemal Karacan Shreedhark B Sooryanarayana and

others

Anna University Chennai All Question Paper Book Review: Unveiling the Magic of Language

In an electronic era where connections and knowledge reign supreme, the enchanting power of language has become much more apparent than ever. Its power to stir emotions, provoke thought, and instigate transformation is truly remarkable. This extraordinary book, aptly titled "**Anna University Chennai All Question Paper**," published by a very acclaimed author, immerses readers in a captivating exploration of the significance of language and its profound effect on our existence. Throughout this critique, we shall delve into the book's central themes, evaluate its unique writing style, and assess its overall influence on its readership.

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