

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 ?*

Anna University Question Paper Mechatronics

Chandresh Agrawal, nandini books

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Mechatronics 2019: Recent Advances Towards Industry 4.0 Roman Szewczyk, Jiří Krejsa, Michał Nowicki, Anna Ostaszewska-Liżewska, 2019-08-28 This book gathers papers presented at Mechatronics 2019 an international conference held in Warsaw Poland from September 16 to 18 2019 The contributions discuss the numerous multidisciplinary technological advances in the field of applied mechatronics that the emerging Industry 4 0 has already yielded Each chapter presents a particular example of interdisciplinary theoretical knowledge numerical modelling and simulation or the application of artificial intelligence techniques Further the papers show how both software and physical devices can be incorporated into mechatronic systems to increase production efficiency and resource savings The results and guidelines presented here will benefit both scientists and engineers looking for solutions to specific industrial and research problems

A Textbook of Engineering Materials and Metallurgy A. Alavudeen, N. Venkateshwaran, J. T. Winowlin Jappes, 2006

Digital Heritage Marinos Ioannides, Nadia Magnenat-Thalmann, Eleanor Fink, Roko Zarnic, Alex-Yianing Yen, Ewald Quak, 2014-11-12 This book constitutes the refereed proceedings of the 5th International Conference on Digital Heritage EuroMed 2014 held in Limassol Cyprus in November 2014 The 84 full and 51 short papers presented were carefully reviewed and selected from 438 submissions They focus on the interdisciplinary and multi disciplinary research concerning cutting edge cultural heritage informatics physics chemistry and engineering and the use of technology for the representation documentation archiving protection preservation and communication of Cultural Heritage knowledge

Creating a Better World Anna Clarke, 2009

Proceedings of the 1995 IEEE IECON: Signal processing and control, Robotics vision and sensors, Emerging technologies, and Factory automation, 1995

Who's Who in Science and Engineering 2008-2009 Who's Who Marquis, Marquis Who's Who, 2007-12

Forthcoming Books Rose Arny, 1996-06

The British National Bibliography Arthur James Wells, 1995

CONTROL ENGINEERING K.P. Ramachandran, 2011-06-01 Market_Desc Primary Market VTU 06ME71 Control Engineering 7th Sem EC TC EE IT BM ML 06ES43 4th Sem JNTU ECE EEE Control Systems 4th Sem Anna ECE EEE PTEC 9254 PTEE 9201 Control Systems 3rd Sem UPTU ME EEE 409 Electrical Machines EC 513 Control System 5th Sem RGPV EC 402 Control Systems 4th Sem PTU ECE EIE EEE IC 204 Linear Control System 4th Sem GNDU ECE ECT 223 Linear Control System 4th Sem Secondary Market BPUT CPME 6403 Mechanical Measurement and Control 7th sem RGPV ME 8302 Mechatronics 8th Sem elective Anna PTME9035 measurement and controls 8th Sem UPTU TME 028 Automatic Controls Elective 8th Sem Mumbai Mechatronics 6th Sem WBUT ME 602 Mechatronics and Modern Control 6th Sem Special Features The book provides clear exposure to the principles of control system design and analysis techniques using frequency and time domain analysis Explains the important topics of PID controllers and tuning procedures Includes state space methods for analysis of control system Presents necessary mathematical topics such as Laplace transforms at relevant places Contains detailed artwork capturing circuit diagrams signal flow graphs block diagrams and

other important topics Presents stability analysis using Bode plots Nyquist diagrams and Root locus techniques Each chapter contains a wide variety of solved problems with stepwise solutions Appendices present the use of MATLAB programs for control system design and analysis and basic operations of matrices Model question papers contain questions from various university question papers at the end of the book Excellent pedagogy includes 520 Figures and tables 200 Solved problems 90 Objective questions 100 Review questions 70 Numerical problems About The Book Control Engineering is the field in which control theory is applied to design systems to produce desirable outputs It essays the role of an incubator of emerging technologies It has very broad applications ranging from automobiles aircrafts to home appliances process plants etc This subject gains importance due to its multidisciplinary nature and thus establishes itself as a core course among all engineering curricula This textbook aims to develop knowledge and understanding of the principles of physical control system modeling system design and analysis Though the treatment of the subject is from a mechanical engineering point of view this book covers the syllabus prescribed by various universities in India for aerospace automobile industrial chemical electrical and electronics engineering disciplines at undergraduate level *AE (Mechanical) Exam Papers PDF eBook-Assistant Engineer (Mechanical) Exam PDF eBook* Chandresh Agrawal,nandini books,2025-10-23 SGN The State Level AE Mechanical Assistant Engineer Mechanical Exam PDF eBook Covers Previous Years Papers Of Various States With Answers **Previous Years' Solved Question Papers GATE Mechanical Engineering 2019** Pearson, Previous Years Solved Question Papers GATE Mechanical Engineering 2019

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web diagram indicating kinetochore microtubules bound to kinetochores and the aster the aster is an array of microtubules that radiates out from the centrosome towards the cell edge diagram also indicates the centromere region of a chromosome the narrow waist where the two sister chromatids are most tightly connected and the kinetochore a

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web mitosis is the process of nuclear division at the end of mitosis a cell contains two identical nuclei mitosis is divided into four stages pmat listed below prophase metaphase anaphase telophase cytokinesis the process of cell division occurs during the last stage of mitosis telophase some cells do not go through mitosis

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web during mitosis two identical copies of the genome are packaged into chromosomes that are distributed equally between

two daughter nuclei by a highly dynamic spindle structure

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web the mitotic phase also known as m phase is a multistep process during which the duplicated chromosomes are aligned separated and move into two new identical daughter cells the first portion of the mitotic phase is called karyokinesis or nuclear division

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web dec 8 2016 mitosis definition mitosis is the step in the cell cycle that the newly duplicated dna is separated and two new cells are formed this process is important in single celled eukaryotes as it is the process of asexual reproduction in multi celled eukaryotes mitosis is how a single zygote can become an entire organism

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web the daughter cells are clones of each other every base pair of their is identical the stages of the cell cycle are the stages of mitosis are prophase metaphase anaphase

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web specifically compare the chromosomes in cells at the end of mitosis vs the end of meiosis i recognizing that the diagram of mitosis tracks just a single pair of homologous chromosomes whereas the diagram of meiosis tracks two pairs of homologous chromosomes one long chromosome and short chromosome

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web review describe the different forms that dna takes before and during cell division in a eukaryotic cell identify the four phases of mitosis in an animal cell and summarize what happens during each phase explain what happens during cytokinesis in an animal cell

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web prophase prometaphase the cell prepares for mitosis at this stage the chromosomes are not clearly visible the

chromosomes pairs of sister chromatids condense and become visible meanwhile the nucleolus and nuclear envelope disappear the centrioles begin moving to opposite ends of the cell and start forming the mitotic spindle metaphase

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