

**\*X10320\***

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| <b>Question Paper Code : X 10320</b> |
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*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

**Who's Who Marquis, Marquis Who's  
Who**

## **Anna University Question Paper Mechatronics:**

**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 Who's Who in

Science and Engineering 2008-2009 Who's Who Marquis, Marquis Who's Who, 2007-12 **Proceedings of the 1995 IEEE**

**IECON: Signal processing and control, Robotics vision and sensors, Emerging technologies, and Factory**

**automation**, 1995 **Creating a Better World** Anna Clarke, 2009 **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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### **Anna University Question Paper Mechatronics Introduction**

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