

Sample Question Paper

Course Name : Diploma in Electrical Engineering/ Electrical Power System

Course Code : EE/ EP

Semester : Fifth

Subject Title : Computer Hardware Maintenance

Marks : 100

12147

Time: 3 Hours

Instructions:

1. All questions are compulsory.
2. Illustrate your answers with neat sketches wherever necessary.
3. Figures to the right indicate full marks.
4. Assume suitable data if necessary.
5. Preferably, write the answers in sequential order.

Q.1 A) Attempt any THREE

12 Marks

- a) Give the technical specification of Pentium IV (any four).
- b) Define Transients, spike, surge, Blackout, Brownout (any four).
- c) State the meaning of following terms: Tracks, cylinder, sectors, cluster.
- d) List any four beep codes of Pentium IV along with their significance.

Q.1 B) Attempt any ONE

06 Marks

- a) Explain the concept of i) Virtual memory ii) Extended memory
- b) With suitable diagram explain working of optomechanical mouse.

Q.2) Attempt any FOUR

16 Marks

- a) List four output connectors and the devices connected to them.
- b) Give four features of PCI Express bus.
- c) Draw block diagram of CD drive. And state the principal of operation of CD drive.
- d) Explain the working of video acceleration card with neat block diagram.
- e) Describe the working of on-line UPS. Draw neat diagram.
- f) Draw the block diagram of internal modem and explain its working.

Q.3) Attempt any FOUR

16 Marks

- a) Draw the functional block diagram of Pentium IV motherboard Showing the following components: Power connector, RAM, Chipset.
- b) State how the following 8 bit data will be recorded using MFM recording Technique and calculate the no. of pulses: 10110011

Computer Hardware Question Paper

RS Peters



Computer Hardware Question Paper:

Computer Fundamentals Manish Soni, 2024-11-13 In the vast landscape of modern technology understanding the fundamentals of computing is akin to possessing a master key that unlocks a world of possibilities This book dedicated to the exploration of computer fundamentals serves as your gateway to comprehending the intricacies of these ubiquitous machines Knowledge of computer fundamentals is not a mere luxury it is an indispensable tool in the arsenal of modern life Whether you re a seasoned professional seeking to deepen your understanding or a curious novice embarking on your first foray into the realm of computing this book is tailored to meet your needs As your companion in this voyage of discovery we offer not just knowledge but guidance Whether you seek to bolster your technical prowess embark on a career in technology or simply satiate your intellectual curiosity this book stands ready to accompany you every step of the way Computers have revolutionised the way we live work and communicate From smartphones and tablets to sophisticated data centres the impact of computing is felt in virtually every aspect of modern society A solid grasp of computer fundamentals not only empowers you to navigate this digital landscape with confidence but also opens doors to countless opportunities in various fields In this book we embark on a journey to explore the fundamental principles that underpin the world of computing Starting with a historical overview of the evolution of computers we delve into the essential components of computer hardware and software covering topics such as data representation operating systems networking logic gates and many more Now the question comes Who Should Read This Book The readership of a Computer Fundamental book extends beyond mere enthusiasts it caters to a diverse array of individuals whose pursuits intersect with the realms of technology and information Targeting a broad spectrum of learners this tome is indispensable for aspiring technocrats ambitious students enterprising professionals and curious minds alike Students traversing the hallowed halls of academia find solace in its pages as it encapsulates the requisite knowledge for mastering computer science fundamentals Armed with this arsenal of understanding they tackle assignments ace examinations and prepare themselves for the rigors of a burgeoning tech industry where innovation and adaptability reign supreme Seasoned professionals entrenched in the trenches of corporate warfare unearth in its depths a trove of wisdom to augment their skill set From IT consultants grappling with complex infrastructure dilemmas to cybersecurity experts fortifying digital fortresses against insidious threats this text serves as a beacon of enlightenment illuminating pathways to professional growth and excellence

Science & Technology for General Studies CSAT - Paper 1 IAS Prelims 2nd Edition Disha Experts, Science Tech General Studies CSAT Paper 1 IAS Prelims for Civil Services Preliminary Exam covers various Chapters and their important topics The book is divided into 17 chapters followed by 2 levels of exercises Simple MCQs statement based MCQs The book captures most of the important questions with explanations of the past 12 years of the IAS Prelim exam distributed in the various chapters

Introduction To Computers And C Programming S.K. Bajpai, 2007 Designed Strictly As Per The Syllabus Of U P Technical University This

Book Provides A Systematic Introduction To Computer Hardware And Software After Explaining The Historical Development Of Computer Technology Through Different Generations The Book Describes The Basic Hardware Components Peripheral Devices Are Explained Next Followed By A Detailed Introduction To Operating Systems Including Dos Unix And Windows Various Features Of The Internet Are Then Described Including Internet Mail Tools Like Pine And Elm And Editors Like Edit And Vi The Basic And Advanced Features Of C Programming Are Then Explained With Suitable Examples Examples And Problems Are Included In Various Chapters The Book Concludes With An Introduction To Recent Developments Like Object Oriented Programming Java Ub Script Wireless Application Protocol Wap Hyper Text Markup Language Html And Xml A Question Bank At The End Of The Book Would Be Extremely Useful In Enabling The Student To Test His Understanding Of Computer Technology *Computer Concepts and Software Applications* John H. Rich,1988 **Computer Hardware**

Description Languages and Their Applications Cees-Jan Koomen,Tōru Motooka,1985 Hardbound The papers of this seventh conference reflect the gradual shift from the original emphasis on the uses of language design to describe hardware toward more formal techniques for specification and verification This volume highlights the following topics Languages to specify and describe hardware design to reason about timing and functional behaviour and to support modelling and performance evaluation Synthesis and verification of systems as means of support for the design process and as a guarantee of design consistency and functional correctness Tool Integration aspects such as the representation of design information and the putting together of tools within a coherent design environment Introduction to Personal Computers Course

Technology,Course Technology Staff,2000-08 **Papers Presented at the 1969 Power Industry Computer Applications**

Conference ,1969 **Papers and Discussions Presented** ,1974 **Papers Presented at ACM SIGCSE Second**

Symposium on Education in Computer Science ,1972 **Unasylyva** ,1977 **Publishers Weekly** ,1980

Proceedings ,1970 *Parliamentary Debates (Hansard)*. Australia. Parliament. Senate,1995 *PICA Conference*

Proceedings ,1969 *Parliamentary Papers* Great Britain. Parliament. House of Commons,1975 *Interpellations,*

Questions and Replies of the National Assembly South Africa. Parliament (1994-). National Assembly,1997 Centennial

Insurance Company V. Applied Health Care Systems, Inc ,1983 **Technical Papers** ,1991 InfoWorld ,1990

Journal of Official Statistics ,2000

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