Council for Technical Education and Vocational Training
Office of the Controller of Examinations
Sanothimi, Bhaktapur
Regular/Back Exam-2075, Falgun/Chaitra

Program:	**Diploma in Computer Engineering**	**Full Marks: 80**
Year/Part:	**III/I (2010)**	**Pass Marks:32**
Subject:	**Computer Graphics (Auto CAD)**	**Time: 3 hrs**

Candidates are required to give their answers in their own words as far as practicable. The figures in the margin indicate full marks.

Attempt (Any Eight) questions.

1. Define computer graphics and its applications in different fields. What are the difference between computer graphics and image processing? [10]

2. Derive mid-point circle drawing algorithm. [10]

3. Derive the DDA line drawing algorithm for $m < 1$ and $m > 1$. [10]

4. What is perspective projection? Explain 3-D translation and rotation with example. [10]

5. Write the principle and characteristics of raster and vector display technology. Explain the working principle of LCD monitor. [5+5]

6. Explain animation and morphing with example. Write the principle of interactive user dialogs. [5+5]

7. a) Define clipping. Write about Cohen-Sutherland line clipping with appropriate figure. [5]

   b) Define anti-aliasing. How can we control it? [5]

8. Explain surface detection technique in brief. Write short notes on Gouraud shading. [6+4]

9. Write Short Notes on (Any Two) [2x5=10]

   a) Application of GUI

   b) Phong shading

   c) Output Hardware

Good Luck

Sample Question Paper Diploma Computer Engineering

Marcel A. Müller

Sample Question Paper Diploma Computer Engineering:

Oswaal ISC 10 Sample Question Papers Class 11 Computer Science For 2024 Exams (Based On The Latest CISCE/ ISC Specimen Paper) Oswaal Editorial Board,2023-11-18 Description of the product Fresh Relevant with Latest Typologies of the Questions Score Boosting Insights with 500 Questions 1000 Concepts Insider Tips Techniques with On Tips Notes Mind Maps Mnemonics Exam Ready Practice with 10 Highly Probable SQPs *Web Based Application Development* Anuradha A. Puntambekar,2020-12-01 This textbook has been written in such a way that the concepts are explained with the help of examples The book covers the topics right from basics of PHP programming such as variables data types operators control structures arrays to graphics The book also covers implementation of object oriented concepts such as classes objects inheritance overloading and so on In the next subsequent unit the textbook covers creating and validating forms Finally the book explains how to connect to database using PHP and MySQL laying more stress on examples Thus this book helps the students to learn the PHP programming in the most lucid way **Oswaal CBSE Class 12th 20 Combined Sample Question Papers Science Stream PCB (Physics, Chemistry, Biology, English Core) and 10 Previous Years' Solved Papers Yearwise (2013-2023) (Set of 2 Books) For 2024 Board Exams** Oswaal Editorial Board,2023-10-28 Description of the Product Comprehensive Coverage Covers all Major subjects Concise Crisp with Mind Maps Revision Notes Curriculum Alignment 4 5 sets of Sample Papers to stimulate exam pattern format 100% Updated with the Latest CBSE Board Paper 2023 Valuable Exam Insights with Out of Syllabus Questions highlighted 100% Exam readiness with Commonly Made Errors and Answering Tips Concept Clarity with Topper s and Board Marking Scheme Answers **Oswaal CBSE Class 12th 20 Combined Sample Question Papers Science Stream PCM (Physics, Chemistry, Maths, English Core) and 10 Previous Years' Solved Papers Yearwise (2013-2023) (Set of 2 Books) For 2024 Board Exams** Oswaal Editorial Board,2023-10-28 Description of the Product Comprehensive Coverage Covers all Major subjects Concise Crisp with Mind Maps Revision Notes Curriculum Alignment 4 5 sets of Sample Papers to stimulate exam pattern format 100% Updated with the Latest CBSE Board Paper 2023 Valuable Exam Insights with Out of Syllabus Questions highlighted 100% Exam readiness with Commonly Made Errors and Answering Tips Concept Clarity with Topper s and Board Marking Scheme Answers ,

Computer Science Education in the 21st Century Tony Greening,2012-12-06 The world is experiencing unprecedented rapidity of change originating from pervasive technological developments These developments are fundamentally reliant on the changing face of computing Computers are a near ubiquitous feature on the modern social landscape Such ubiquity enables rapid propagation of changes emerging from within computing as a family of disciplines What then is the relevance of such changes to education of future computer professionals and computer scientists This book considers the effects of such rapid change from within computing disciplines by allowing computing educationalists to deliver a considered verdict on the future of their discipline The targeted future the year 2020 was chosen to be distant enough to

encourage authors to risk being visionary while being close enough to ensure some anchorage to reality The result is a scholarly set of contributions expressing the visions hopes concerns predictions and analyses of trends of the future of a discipline that continues to impact greatly on the wider community One of the interesting aspects of asking people to consider the future is the extent to which it ultimately sheds light on the present this concept is explored by the editor in his review of the contributions as a whole **A Textbook of Artificial Intelligence for Class IX (A.Y. 2023-24)Onward** Hema Dhingra,2023-05-20 The term artificial intelligence may sound intimidating to some but it has been in use for decades and its applications are more common than you might imagine It is gaining the spotlight across applications in our personal and professional lives AI is still at a relatively early stage of development so that the range of potential applications have ample scope left for further development It holds the promise of solving some of the most pressing issues facing society but also presents challenges such as unethical use of data and potential job displacement There are so many amazing ways artificial intelligence and machine learning are used behind the scenes to impact our everyday lives A1 assists in every area of our lives whether we re trying to read our emails get driving directions get music or movie recommendations AI is a constellation of technologies that enable machines to act with higher levels of intelligence and emulate the human capabilities of sense comprehend and act A1 is not specifically related to computer science This is a field of study that encompasses human behaviour biology psychology and even language and linguistics AI presents opportunities to complement and supplement human intelligence and enrich the way people live and work Artificial Intelligence is being widely recognized to be the power that will fuel this future global digital economy Countries around the world are becoming increasingly aware of the potential benefits of developing and applying AI From SIRI to self driving cars artificial intelligence AI is progressing rapidly While science fiction often portrays AI as robots with human like characteristics AI can encompass anything from Google s search algorithms to IBM s Watson to autonomous weapons From Amazon shopping recommendations Facebook image recognition and personal assistants like Siri Cortana and Alexa your phone is becoming a portal to real world applications of artificial intelligence This book is a glimpse into the future that illustrates how AI will continue to transform our daily lives in the near future Digitalisation and the new technological possibilities that artificial intelligence A1 brings are driving the biggest social and economic changes since the industrial revolution Without the right political economic and ethical framework conditions there is a risk of uncontrolled development and a negative impact of AI Artificial intelligence A1 is doing a lot of good and will continue to provide many benefits for our modern world but along with the good there will inevitably be negative consequences The sooner we begin to contemplate what those might be the better equipped we will be to mitigate and manage the dangers While writing the book we have tried to keep the explanation simple with lots of examples and illustrations Lastly there is always a scope of improvement Thus it is a request to our esteemed readers to send the feedback and suggestions etc for the improvement of the book All your requests are welcome

Developing a Keyword Extractor and Document Classifier: Emerging Research and Opportunities Paul, Dimple Valayil,2021-01-08 The main problems that prevent fast and high quality document processing in electronic document management systems are insufficient and unstructured information information redundancy and the presence of large amounts of undesirable user information The human factor has a significant impact on the efficiency of document search An average user is not aware of the advanced option of a query language and uses typical queries Development of a specialized software toolkit intended for information systems and electronic document management systems can be an effective solution of the tasks listed above Such toolkits should be based on the means and methods of automatic keyword extraction and text classification The categorization or classification of texts into predefined categories has witnessed a booming interest in the last 10 years due to the increased availability of documents in digital form and the ensuing need to organize them Thus research on keyword extraction advancements in the field and possible future solutions is of great importance in current times Developing a Keyword Extractor and Document Classifier Emerging Research and Opportunities presents an information extraction mechanism that can process many kinds of inputs realize the type of text and understand the percentage of the keywords that has to be stored This mechanism then supports information extraction and information categorization mechanisms This module is used to support a text summarization mechanism which leads with the help of the keyword extraction module to text categorization It employs lexical and information retrieval techniques to extract phrases from the document text that are likely to characterize it and determines the category of the retrieved text to present a summary to the users This book is ideal for practitioners stakeholders researchers academicians and students who are interested in the development of a new keyword extractor and document classifier method   **Pratiyogita Darpan** ,2009-09 Pratiyogita Darpan monthly magazine is India s largest read General Knowledge and Current Affairs Magazine Pratiyogita Darpan English monthly magazine is known for quality content on General Knowledge and Current Affairs Topics ranging from national and international news issues personality development interviews of examination toppers articles write up on topics like career economy history public administration geography polity social environment scientific legal etc solved papers of various examinations Essay and debate contest Quiz and knowledge testing features are covered every month in this magazine   **Resources in Education** ,2001-04   **Handbook of College Reading and Study Strategy Research** Rona F. Flippo,Thomas W. Bean,2018-06-12 The most comprehensive and up to date source available for college reading and study strategy practitioners and administrators the Third Edition of the Handbook of College Reading and Study Strategy Research reflects and responds to changing demographics as well as politics and policy concerns in the field since the publication of the previous edition In this thorough and systematic examination of theory research and practice the Handbook offers information to help college reading teachers to make better instructional decisions justification for programmatic implementations for administrators and a complete compendium of both theory and practice to better prepare

graduate students to understand the parameters and issues of this field The Handbook is an essential resource for professionals researchers and students as they continue to study research learn and share more about college reading and study strategies Addressing current and emerging theories of knowledge subjects and trends impacting the field the Third Edition features new topics such as disciplinary literacy social media and gaming theory **European Symposium on Computer Aided Process Engineering - 13** Andrzej Kraslawski,Ilkka Turunen,2003-05-07 This book contains papers presented at the 13th European Symposium on Computer Aided Process Engineering ESCAPE 13 The ESCAPE symposia bring together scientists students and engineers from academia and industry who are active in the research and application of Computer Aided Process Engineering The objective of ESCAPE 13 is to promote CAPE applications into new businesses and technologies by highlighting the use of computers and information technology tools in five specific areas process design process control and dynamics modeling simulation and optimization applications in pulp and paper industry and applications in biotechnology Includes 190 papers selected from 391 submitted abstracts All papers have been reviewed by 33 members of the international scientific community **Norman Hall's Asvab Preparation Book** Norman Hall,2015-01-02 Everything you need to know thoroughly covered in one book five ASVAB practice tests answer keys tips to boost scores military enlistment information study aids *Digital Enterprise and Information Systems* Ezendu Ariwa,Eyas El-Qawasmeh,2011-07-20 This volume constitutes the refereed proceedings of the International Conference on Digital Enterprise and Information Systems held in London during July 20 22 2011 The 70 revised full papers presented were carefully reviewed and selected They are organized in topical sections on cryptography and data protection embedded systems and software information technology management e business applications and software critical computing and storage distributed and parallel applications digital management products image processing digital enterprises XML based languages digital libraries and data mining **(Free version) Abacus & Mental Arithmetic Course Book** Mathewmatician, All four arithmetic examples and exercises are provided with detailed and smooth versions of video teaching It is suitable to Children with strong self learning ability Parents who train their children on their own Kindergarten or Primary school teacher Students majoring in early childhood education or elementary education in universities and colleges Those who are interested in becoming an abacus and mental arithmetic teacher or are interested in running an abacus and mental arithmetic class **The Publishers' Trade List Annual** ,1967 **Tests** Richard C. Sweetland,Daniel J. Keyser,1984 *British Qualifications* Kogan Page,2006 The field of professional academic and vocational qualifications is ever changing The new edition of this highly successful and practical guide provides thorough information on all developments Fully indexed it includes details on all university awards and over 200 career fields their professional and accrediting bodies levels of membership and qualifications It acts as an one stop guide for careers advisors students and parents and will also enable human resource managers to verify the qualifications of potential employees **Randax**

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Sample Question Paper Diploma Computer Engineering Book Review: Unveiling the Magic of Language

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