

Madurai Kamaraj University

Directorate of Distance Education

Department of Computer Science

ASSIGNMENT

Computer Graphics

Marks: 5X5=25

Answer all the question:

- 1) A. Explain about Raster Scan Systems and Random Scan Systems
(or)
B. Define Line Drawing and Circle Generating Algorithms

- 2) A. Define Line Attributes and Curve Attributes
(or)
B. Write briefly about Antialiasing

- 3) A. Define Matrix Representations and Composite Transformations
(or)
B. Explain about Transformations Between Coordinate Systems

- 4) A. Write about Two Dimensional Viewing and Viewing Pipeline?
(or)
B. Define Point, Line, Polygon Clipping

- 5) A. Give a notes on Translation, Rotation and Scaling
(or)
B. Explain about Three Dimensional Viewing and Viewing Pipeline

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Computer Networks

Answer all the Question

5 x 2 = 25 Marks

- 1) A. Explain about Network Models and Layered Tasks
(or)
B. Explain about OSI model and Layers in the OSI model

- 2) A. Define Periodic Analog and Digital signals
(or)
B. Write briefly about Circuit switched and Datagram Networks

- 3) A. Define Error detection and Correction
(or)
B. Explain about Random Access and Controlled Access

- 4) A. Discuss about IPV4 Address and IPV6 Address
(or)
B. Define Error reporting and Multicasting

- 5) A. Discuss about User Datagram Protocol (UDP) and TCP
(or)
B. Discuss about Domain Name System (DNS) and SNMP

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Relational Database Management System

Answer all the Question

5 x 2 = 25 Marks

- 1) A. Explain about Data storage and Querying
(or)
B. Write briefly about Database Users and Administrators

- 2) A. Define Database Design and ER Model
(or)
B. Explain about the Atomic Domains and First Normal form

- 3) A. Write briefly about Complex Data and Structured types
(or)
B. Give notes on Object Identity and types in SQL

- 4) A. Discuss about Storage and File Structure
(or)
B. Explain about Indexing and Hashing

- 5) A. Define Transactions and Serializability
(or)
B. Discuss about Concurrency Control and Timestamp

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ASSIGNMENT

Object Oriented Programming in C++

Answer all the Question

5 x 2 = 25 Marks

- 1) A. Define Java applets, applications and security
(or)
B. Explain about Data types, variable and arrays

- 2) A. Explain about Arithmetic, relational and ternary operators
(or)
B. Define if switch, while and do while with program

- 3) A. Define Packages and Interfaces
(or)
B. Write about the types of Exception and using try and catch

- 4) A. Define thread model. Explain about the Multi Threaded Programming
(or)
B. Write about the String constructors string length and special operations

- 5) A. Give a note on input stream, output stream, file input stream, file output stream
(or)
B. Define Serialization, Seralizabel, Externalizable, Object Output

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Web Technology

Answer all the Question

5 x 2 = 25 Marks

- 1) A. Define Internet Services and uses of Protocols
(or)
B. Explain about HTML Document, Head Section and Body Section

- 2) A. What is the Document Object Model?
(or)
B. Define Mouse and Keyboard Events

- 3) A. Define Web Servers and Servlets
(or)
B. Write short note on Cookies – Session Tracking, Security Issues.

- 4) A. Write short note on JSP Page, JSP Processing.
(or)
B. Explain about Tomcat Server & Testing Tomcat

- 5) A. Define Scripting Elements Implicit JSP Objects
(or)
B. Write briefly about Methods Error Handling and Debugging

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Data Mining

Answer all the Question

5 x 2 = 25 Marks

1) A. Explain about Data warehousing and OLAP Technology for Data mining

(or)

B. Write briefly about Data Model and Data Warehouse implementation

2) A. Define Data Cleaning and explain about Integration, information

(or)

B. Explain about the Architecture of Data Mining and Data Reduction

3) A. Write briefly about Mining Association Rules in large Databases

(or)

B. Give notes on Challenges of Frequent Pattern Mining

4) A. Write briefly about Classification and Prediction

(or)

B. Explain about Classification Methods and Prediction

5) A. Define Cluster Analysis and types of data in cluster analysis

(or)

B. Write briefly about Clustering Methods – Outlier analysis