Madurai Kamaraj University

Directorate of Distance Education

Department of Computer Science

ASSIGNMENT

Fundamentals of computer

Marks: 5X5=25

Answer all the questions:

1) A. Explain the working of a computer system.

Or

   B. Explain the following:

   i) Time sharing systems

   ii) Personal computers

2) A. Why do we need different data representation? Explain.

Or

   B. Explain the method of doing following conversions with examples

   i) Hexadecimal to decimal.

   ii) Binary to decimal.

3) A. Explain display unit in detail.

Or

   B. Discuss the operation and structure of computer memory.

4) A. Explain the concept of process management.

Or

   B. Discuss the services provided by the operating system.

5) A. Explain transmission media characteristics.

Or

   B. What is a LAN? Explain its features.

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COBOl & Data Processing

Marks: 5X5=25

Answer all the questions:

1) A. Explain the general program structure of COBOL.

   Or

   B. Discuss the following:

   i)   USAGE clause   ii) FILLER clause

2) A. How data are represented in COBOL programs? discuss in detail

   Or

   B. Explain conditional statements and looping statements of COBOL.

3) A. Explain the following with examples.
   i)   MOVE   ii) MOVE with EDIT

   Or

   B. Write a COBOL program to compute the electricity fill. Assume opening unit, closing unit and tarries slabs.

4) A. Write a program to arrange the given numbers into descending order.

   Or

   B. Write a COBOL program for mark sheet processing. Assume your own data.

5) A. Explain file handling features of COBOL.

   Or

   B. Write short notes on:

   i)   ALTER statement   ii) WORKING STORAGE SECTION.

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Software Engineering

Marks: 5X5=25

Answer all the questions:

1) A. Explain the phases of software development.

Or

   B. What are the steps involved in software requirement specification?

2) A. Discuss in detail about cost estimation.

Or

   B. What are the major activities of staffing and personal planning?

3) A. Explain the objectives of software design.

Or

   B. What are the major techniques in modular specification?

4) A. Discuss the trends in coding practice.

Or

   B. Write short notes on

      i) Static analysis.
      ii) Structured programming.

5) A. Explain functional testing in detail

Or

   B. Explain the following

      i) Cocomo model
      ii) Software risks.

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ASSIGNMENT

Object Oriented Programming with C++

Marks: 5X5=25

Answer all the questions:

1) A. Explain the method of designing a class with an example.

Or

  B. Explain the control structures of C++.

2) A. What are the methods of passing parameters? Explain with examples.

Or

  B. Explain function overloading with example.

3) A. Explain the method of overloading a binary operator.

Or

  B. Explain multiple inheritances with an example.

4) A. Explain the method of handling arrays.

Or

  B. Write a C++ program to input a string and print in reverse.

5) A. Explain virtual functions with example.

Or

  B. Write short notes on:

      i)   Nested classes

      ii)   File output.

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ASSIGNMENT

Client/server computing with oracle

Marks: 5X5=25

Answer all the questions:

1) A. Discuss the features of RDBMS in detail

   Or

   B. Explain the concept of concurrency.

2) A. Explain the following:

   i)Integrity ii) security

   Or

   B. Explain various DML commands

3) A. Explain loop control constructs of PL/SQL.

   Or

   B. Explain the following command pairs:

   i)COMMIT- ROLL BACK ii) GRANT -REVOKE

4) A. Write a PL/SQL program to end the salary employees and calculate tax.

   Or

   B. Explain view command in detail.

5) A. Discuss about data control in detail.

   Or

   B. Write short notes on: i) Packages   ii) Database planning.

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Windows and visual basic

Marks: 5X5=25

Answer all the questions:

1) A. What are the characteristic of good GUL?

Or

B. Give the importance of the descriptions in the control panel.

2) A. How to create and open a document in ms word?

Or

B. Discuss the usage of mail merage in MS – Word.

3) A. What are the salient features of MS – Excel?

Or

B. Explain the techniques of creating charts through excel sheets.

4) A. Discuss on Msg box and Check box.

Or

B. Explain the concept of event driven programming?

5) A. How multiple forms are used in visual programming?

Or

B. Discuss on:

    i) Event handling

    ii) Control array.

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Information Technology and Its Application

Marks: 5X5=25

Answer all the questions:

1) A. Mention the concepts of internet.

   Or

   B. Discuss on Gopher Servers.

2) A. Mention the applications of internet.

   Or

   B. Discuss the equipment needed for net connectivity.

3) A. Explain the working style of modems.

   Or

   B. How internet works

4) A. How to send and receive electronic mail?

   Or

   B. Explain the concept of video conferencing.

5) A. How to improve the productivity through internet?

   Or

   B. How to increase the security measures in internet?