CENTRE FOR DISTANCE EDUCATION

Aligarh Muslim University, Aligarh
Session 2018-2019
Post Graduate Diploma in Computer Programming
DATA STRUCTURES
(PGDCP-01)
ASSIGNMENT

Maximum Marks: 25

a) Attempt any two questions.

1. What is a doubly linked list? What are its applications? Explain how an element can be deleted from the list using appropriate pseudo code.

2. What is stack and explain different stack operation? Evaluate the following expression using stack 123*+9-

3. What is an AVL search tree? How do we define the height of it? Discuss about the balance factor associated with a node of an AVL tree. Construct an AVL Tree for the list 8, 9, 11, 6, 5, 7, 10 by using successive insertion. Illustrate the steps clearly.

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CENTRE FOR DISTANCE EDUCATION

Aligarh Muslim University, Aligarh
Session 2018-2019
Post Graduate Diploma in Computer Programming
COMPUTER PROGRAMMING USING 'C'
(PGDCP-02)
ASSIGNMENT

Maximum Marks: 25

a) Attempt any two questions.

1. With example explain Variables, Constants and Identifiers.
2. State the difference between Arithmetic and Assignment Operator.
3. Write a note on pre-processor directive in C.
4. Differentiate between 1 dimensional and 2 dimensional array.

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CENTRE FOR DISTANCE EDUCATION

Aligarh Muslim University, Aligarh
Session 2018-2019
Post Graduate Diploma in Computer Programming
COMPUTER FUNDAMENTALS AND PC SOFTWARE
(PGDCP-03)
ASSIGNMENT

Maximum Marks: 25

a) Attempt any two questions.

1. Explain the various generations of computers.

2. How do you create a new presentation in PowerPoint using templates

3. What are the working principles behind the various monitors that exist currently?

4. Can there be any updates done over Read Only Memory? If yes, then give the types of ROM within which this feature is available?

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CENTRE FOR DISTANCE EDUCATION

Aligarh Muslim University, Aligarh
Session 2018-2019
Post Graduate Diploma in Computer Programming
DATA STRUCTURE THROUGH 'C' LANGUAGE
(PGDCP-04)
ASSIGNMENT

Maximum Marks: 25

a) Attempt any two questions.

1. Differentiate between Single Dimensional and Two-dimensional arrays.

2. What are the commonly used asymptotic notations to calculate the running time complexity of an algorithm?

3. Write a C program to implementation is full () function in C.

4. Write a C++ program to print DFS traversal for a given graph.

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CENTRE FOR DISTANCE EDUCATION

Aligarh Muslim University, Aligarh
Session 2018-2019
Post Graduate Diploma in Computer Programming
DATA BASE MANAGEMENT SOFTWARE
(PGDCP-05)
ASSIGNMENT

Maximum Marks: 25

a) Attempt any two questions.

1. What are the components of information systems? Show them schematically and explain the state-of-art of relationships between them.

2. Explain Implementation Design.

3. Give a skeleton of the DDL program of IDMS.

4. What are the types of locking? Explain locking protocol

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CENTRE FOR DISTANCE EDUCATION

Aligarh Muslim University, Aligarh
Session 2018-2019
Post Graduate Diploma in Computer Programming
OBJECT ORIENTED PROGRAMMING THROUGH C++
(PGDCP-06)
ASSIGNMENT

Maximum Marks: 25

a) Attempt any two questions.

1. Explain the different generations of programming languages.

2. What is control structure? Explain different control structures in C++

3. What are the advantages and disadvantages of functions?

4. Explain different types of Inheritance.

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