Tamil Nadu Open University
School of Computer Science
Chennai – 15
HOME / SPOT ASSIGNMENT

Programme Code No   : 272
Programme Name   : Master of Computer Applications-LE
Course Code & Name   : MCA – 21 & Relational Database Management Systems
Batch   : AY 2020-21 (2nd Year)
No.of Assignments   : One Assignment for Each 2 Credits
Maximum CIA marks   : 15 (Average of Total No. of Assignments)

ASSIGNMENT – 1

Max : 15 marks

Answer any one of the question not exceeding 1000 words

1. Describe Boyce-codd Normal form with example.

2. Explain the advantages of database management system.

3. Explain the privileges of ORACLE.

ASSIGNMENT - 2

Max : 15 marks

Answer any one of the question not exceeding 1000 words

1. Explain the different classifications of Data Models.

2. Illustrate diagrammatically the components of DBMS.

3. Define client and server. Explain the client/server architecture in detail.

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Programme Code No   : 272
Programme Name   : Master of Computer Applications-LE
Course Code & Name   : MCA – 22 & Client Server Technology
Batch   : AY 2020-21 (2nd Year)
No.of Assignments   : One Assignment for Each 2 Credits
Maximum CIA marks   : 15 (Average of Total No. of Assignments)

ASSIGNMENT – 1

Max : 15 marks

Answer any one of the question not exceeding 1000 words

1. What is middleware? Discuss in detail.

2. What are the basic characteristics needed for developing the client/server development tools?

3. What is server side component? Describe the facilities provided by server side component.

Max : 15 marks

ASSIGNMENT - 2

Answer any one of the question not exceeding 1000 words

1. What is network operating system? List out the functions with example.

2. What is Asynchronous transfer mode? Discuss.

3. Discuss the major hardware components of client/server environment.

Programme Code No : 272

Programme Name : Master of Computer Applications-LE

Course Code & Name : MCA – 23 & Multimedia

Batch : AY 2020-21 (2nd Year)

No.of Assignments : One Assignment for Each 2 Credits

Maximum CIA marks : 15 (Average of Total No. of Assignments)

ASSIGNMENT – 1

Max : 15 marks

Answer any one of the question not exceeding 1000 words

1. What is multimedia? Discuss the major components of multimedia.

2. Explain Icon-Based authoring tools.

3. Discuss about various stages of a multimedia project.

ASSIGNMENT – 2   Max : 15 marks

Answer any one of the question not exceeding 1000 words

1. Explain card-and page-based authoring tools.

2. What is multimedia? Discuss elements of multimedia.

3. Discuss about simple compression technique.

Programme Code No   : 272
Programme Name   : Master of Computer Applications _LE
Course Code & Name   : MCA – 24 & Distributed Computing
Batch   : AY 2020-21 (2nd Year)
No.of Assignments   : One Assignment for Each 2 Credits
Maximum CIA marks   : 15 (Average of Total No. of Assignments)

ASSIGNMENT – 1

Max : 15 marks

**Answer any one of the question not exceeding
1000 words**

1. Explain any one network operating system features.

2. Discuss about process migration in distributed environment.

3. Explain RPC and thread.

ASSIGNMENT – 2   Max : 15 marks

Answer any one of the question not exceeding 1000 words

1. Why fragmentation of a data in a distributed systems? Discuss.

2. Discuss DDBMS advantages and disadvantages.

3. Compare NOS and distribution operating system.

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Programme Code No : 272
Programme Name : Master of Computer Applications-LE
Course Code & Name : MCA – 25 & Network Programming
Batch : AY 2020-21 (2nd Year)
No. of Assignments : One Assignment for Each 2 Credits
Maximum CIA marks : 15 (Average of Total No. of Assignments)

ASSIGNMENT – 1

Max : 15 marks

Answer any one of the question not exceeding 1000 words

1. Explain OSI Reference model of Network architecture with Block diagram.

2. Discuss about Satellite Networks

3. Discuss about Broadcast Routing and Hierarchical Routing.

Max : 15 marks

ASSIGNMENT - 2

Answer any one of the question not exceeding 1000 words

1. Describe the function of different layers in the OSI reference model.

2. Explain the MAC layer for medium access.

3. Explain multicast routing and link state routing algorithms.