TAMIL NADU OPEN UNIVERSITY

School of Computer Science

SPOT ASSIGNMENT – AY 2019-20

NOTE: Part A Contains 3 Questions and will carry 5 Marks each, Part B Contain 1 Question and will carry 10 Marks. Students are requested to write 150 words and should not exceed 2 pages each in Part A, 300 words and should not exceed 4 pages in Part B.

Master of Computer Applications

Third Year

Course Code: MCA- 21

Course Title: Relational Database Management Systems

(Total Marks=25)

Part- A- Short Answer Questions

Answer all questions   **(3 X 5 = 15 Marks)**

1. Define Normalization. Explain the four levels of Normalization.

2. Write short notes on scheme and subschema

3. What are the advantages of RDBMS?

Part- B- Long Answer Question

Answer the following question   **(1 X 10 = 10 Marks)**

1. Write short notes on

    a. Dedicated Server architecture.

    b. Multithreaded Server architecture.

    c. Shared Pool.

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Master of Computer Applications

Third Year

Course Code: MCA- 22

Course Title: Client Server Technology

(Total Marks=25)

Part- A- Short Answer Questions

Answer all questions   **(3 X 5 = 15 Marks)**

1)   What is Client Server Computing? Write the advantages of client-server computing.

2)   What is three tier architecture? Explain.

3)   How are client-server environment classified.

Part- B- Long Answer Question

Answer the following question   **(1 X 10 = 10 Marks)**

1.   Write the following questions

      a. What is the main purpose of Corba Object bus?

      b. Enumerate the functions of Server Software.

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Master of Computer Applications

Third Year

Course Code: MCA-23

Course Title: Multimedia

(Total Marks=25)

Part- A- Short Answer Questions

Answer all questions   **(3 X 5 = 15 Marks)**

1. Mention the advantages of optical media over magnetic media.
2. Explain the various specifications of compact disk with their principles and features.
3. Write a short note on temporal masking and frequency masking of audio samples.

Part- B- Long Answer Questions

Answer the following question   **(1 X 10 = 10 Marks)**

1. a. Write short notes on authoring.

   b. What are the problems faced by business and industries in adapting to multimedia.

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Master of Computer Applications

Third Year

Course Code: MCA-24

Course Title: Distributed Computing

(Total Marks=25)

Part- A- Short Answer Questions

Answer all questions   **(3 X 5 = 15 Marks)**

1. Explain Concurrency control

2. Write short note on Dead lock distributed system.

3. Write short note on distributed query processing.

Part- B- Long Answer Question

Answer the following question   **(1 X 10 = 10 Marks)**

1. Explain the implementation of an RPC Mechanism.

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SPOT ASSIGNMENT – AY 2019-20

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Master of Computer Applications

Third Year

Course Code: MCA-25

Course Title: Network Programming

(Total Marks=25)

Part- A- Short Answer Questions

Answer all questions   **(3 X 5 = 15 Marks)**

1. What is Javascript? What can a Javascript do?
2. What can ActiveX do for you?
3. What is the difference between ActiveX and OCX. Define URL moniker, ISAPI filter.

Part- B- Long Answer Question

Answer the following question   **(1 X 10 = 10 Marks)**

1. Explain basic services to ActiveX Hyperlinks.