PG-A-1570 **MCA–21X**

P.G. DEGREE EXAMINATION – JULY, 2022.

Computer Applications

(From CY – 2020 onwards)

Third Year

RELATIONAL DATABASE MANAGEMENT SYSTEM

Time : 3 hours Maximum marks : 70

PART A — (5 × 5 = 25 marks)

Answer any FIVE questions out of Eight questions in 300 words.

1. What is Database Schema?
2. Write the properties of relational databases.
3. Select distinct values from a table using a select command.
4. What are the uses of indexes?
5. Drop a table in Oracle using SQL command.
6. What are the manipulative capabilities of Database management system?
7. Write short note on Client Server systems.
8. Describe Mapping operation among relations.

PART B — ($3 \times 15 = 45$ marks)

Answer any THREE questions out of Five questions in 1000 words.

9. Explain the concepts of Relational Database Management with example.

10. Elaborate the Oracle database Architecture.

11. Write a detailed note on selection. Union operation with expressions and sub queries in SQL.

12. Write relevant SQL commands for Create, Describe, Modify Copy and Renaming a table.

13. Describe about the Languages supported by Oracle Pre-compiler.

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PG-A-1571 **MCA–22X**

P.G. DEGREE EXAMINATION – JULY, 2022.

Computer Applications

(From CY – 2020 onwards)

Third Year

CLIENT SERVER TECHNOLOGY

Time : 3 hours Maximum marks : 70

PART A — ($5 \times 5 = 25$ marks)

Answer any FIVE questions out of Eight questions in 300 words.

1. Define centric client server computing.
2. Describe the components of client server application.
3. What is process communication?
4. How platform migration takes place in client server systems?
5. Write note on investment through porting.
6. Write short note on Remote procedure calls.
7. Write about wide area network technology.
8. What is work bench architecture?

PART B — ($3 \times 15 = 45$ marks)

Answer any THREE questions out of Five questions in 1000 words.

9. Explain in detail about Client server development tools.

10. Write about CORBA with relevant diagrams.

11. Write a detailed note on networking operating system.

12. Explain about distributed objects and its components in detail.

13. Describe about information engineering facility architecture.

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PG-A-1572 **MCA–23X**

P.G. DEGREE EXAMINATION – JULY, 2022.

Computer Applications

(From CY – 2020 onwards)

Third Year

MULTIMEDIA SYSTEMS

Time : 3 hours Maximum marks : 70

PART A — (5 × 5 = 25 marks)

Answer any FIVE questions out of Eight questions in 300 words.

1. Define Multimedia Systems.

2. Describe temporal media types.

3. What are media classes?

4. How Multimedia is useful in Training and Education?

5. List the Need and Problems faced while using Multimedia systems.

6. Write short note on Image Compression standards.

7. Write about Transform Classes.

8. What are the Applications of Multimedia?

PART B — ($3 \times 15 = 45$ marks)

Answer any THREE questions out of Five questions in 1000 words.

9. Explain about Multimedia development tools in detail.

10. Write about various Video Compression Techniques with diagrams.

11. Write a detailed note on Object Oriented Multimedia with example.

12. Explain about Multimedia Environment in detail.

13. Describe about Multimedia Platforms.

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PG-A-1573 **MCA–24X**

P.G. DEGREE EXAMINATION – JULY, 2022.

Computer Applications

(From CY – 2020 onwards)

Third Year

DISTRIBUTED COMPUTING

Time : 3 hours Maximum marks : 70

PART A — (5 × 5 = 25 marks)

Answer any FIVE questions out of Eight questions in 300 words.

1. What is Load Balancing?

2. Write about buffered versus unbuffered primitives.

3. Describe about Electron algorithms.

4. What are the semantics of file sharing in distributed systems?

5. Write about Process Migration.

6. How processor allocation performed in distributed systems?

7. What is atomic transaction?

8. Write about distributed concurrency control.

PART B — (3 × 15 = 45 marks)

Answer any THREE questions out of Five questions in 1000 words.

9. Explain the Software concepts related to distributed processing in detail.

10. Elaborate Client server model of communication in distributed systems.

11. Write a detailed note on Clock synchronization in distributed systems.

12. Explain how to implement new threads in distributed file system.

13. Describe about distributed computing models in detail.

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PG-A-1574 **MCA–25X**

P.G. DEGREE EXAMINATION – JULY, 2022.

Computer Application

(From CY – 2020 onwards)

Third Year

NETWORK PROGRAMMING

Time : 3 hours Maximum marks : 70

PART A — ($5 \times 5 = 25$ marks)

Answer any FIVE questions out of Eight questions in 300 words.

1. What are standalone scripts?
2. How Active X documents are created?
3. Describe about hyper linking.
4. What is the work of IIS?
5. Write about Active X controls.
6. What are the steps to be followed in testing DLL?
7. How Active X controls are created?
8. What is Migration wizard?

PART B — ($3 \times 15 = 45$ marks)

Answer any THREE questions out of Five questions in 1000 words.

9. Write an overview of Active X Scripting.

10. Discuss about the architecture of Active X documents with diagram.

11. Write about the components of URL in detail.

12. Explain in detail about ISAPI extension.

13. Describe building a data driven DHTML application in detail.

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