PG-C-2299 **MCA–21X**

P.G. DEGREE EXAMINATION – FEBRUARY, 2023.

Computer Applications

Third Year

RELATIONAL DATABASE MANAGEMENT SYSTEM

Time : 3 hours Maximum marks : 70

PART A — ($5 \times 5 = 25$ marks)

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

All questions carry equal marks.

1. List the features of Database Management System.

2. Write about Oracle database users.

3. What are the elements of SQL Language?

4. Write short note on database objects.

5. Create a table by using an Oracle Query.

6. Write down the concepts of Relational model.

7. What are the Properties of Relational Databases?

8. Write an Oracle query using arithmetic expression.

PART B — ($3 \times 15 = 45$ marks)

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

All questions carry equal marks.

9. Explain various data definition and manipulation facilities of database management system.

10. Write a detailed note on overview of Oracle architecture and its benefits.

11. Describe Data Manipulation commands with examples.

12. With relevant SQL commands explain Join operations on multiple tables.

13. Explain in detail about Languages supported by Oracle Pre-compiler.

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PG-C-2300 **MCA–22X**

P.G. DEGREE EXAMINATION – FEBRUARY, 2023.

Computer Application

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.

All questions carry equal marks.

1. What is downsizing in Client server computing?

2. What are the Components of a server?

3. Describe System Application Architecture (SAA).

4. How Reengineering of an existing system can be done for a Client Server system?

5. What is Centric Client server computing?

6. Write short note on Common request broker architecture.

7. Write short note Remote Boot Services.

8. What is the function of a LAN Manager?

PART B — ($3 \times 15 = 45$ marks)

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

All questions carry equal marks.

9. Explain the advantages of Client Server development tools in detail.

10. Elaborate the functionalities and Services of a Client with example.

11. Write a detailed note on Communication Interface technology.

12. Explain about Compound documents in detail.

13. Describe about Information engineering facility architecture in detail.

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PG-C-2301 **MCA–23X**

P.G. DEGREE EXAMINATION – FEBRUARY, 2023.

Computer Application

Third Year

MULTIMEDIA SYSTEMS

Time : 3 hours Maximum marks : 70

PART A — ($5 \times 5 = 25$ marks)

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

All questions carry equal marks.

1. What is Multimedia?

2. What are Non temporal media types?

3. Describe about Objects and Classes in multimedia.

4. What is Media organization?

5. What are the benefits of Multimedia systems?

6. Write short note on Video Compression techniques.

7. What are Component Classes?

8. Write the architecture and operations of Multimedia environment.

PART B — ($3 \times 15 = 45$ marks)

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

All questions carry equal marks.

9. Explain the Components of the Multimedia Systems in detail.

10. Elaborate various Media types with relevant diagrams.

11. Write a detailed note on Multimedia Frameworks.

12. Explain the role of Multimedia in Training and Education in detail.

13. Describe about Media in the real world in detail.

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PG-C-2302 **MCA–24X**

P.G. DEGREE EXAMINATION – FEBRUARY, 2023.

Computer Application

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.

All questions carry equal marks.

1. Define distributed processing.

2. What is client server model of communication?

3. Write about clock synchronization.

4. What is file service interface?

5. What are the benefits of switched multi computers?

6. Write short note on blocking versus non blocking primitives.

7. What is processor allocation?

8. How data stored in a distributed DBMS?

PART B — ($3 \times 15 = 45$ marks)

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

All questions carry equal marks.

9. Explain about distributed computing models in detail.

10. Elaborate implementation of client server model with diagrams.

11. Write a detailed note on implementation of Thread packages.

12. Explain distributed DBMS architecture in detail.

13. Describe about the design issues involved in distributed processing.

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PG-C-2303 **MCA–25X**

P.G. DEGREE EXAMINATION – FEBRUARY, 2023.

Computer Application

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.

All questions carry equal marks.

1. Write short on Java script.

2. What are the steps followed in creation of Active X Documents?

3. Describe about URL Monickers.

4. What is IIS and how to build IIS applications?

5. What are Standalone scripts?

6. Write about Migration Wizard.

7. What is the testing process of Active X documents?

8. Write about ISAPI extension.

PART B — ($3 \times 15 = 45$ marks)

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

All questions carry equal marks.

9. Write an overview of Active X Scripting.

10. Elaborate the Active X Document architecture with diagrams.

11. Write a detailed note on hyper linking interface.

12. Describe about designing IIS applications in detail.

13. Discuss about building DHTML applications.

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