PG–C–2310 **MCA–21X**

P.G. DEGREE EXAMINATION — DECEMBER 2023

Computer Application

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. Write the advantages of RDBMS.

2. What are the benefits of Oracle?

3. Discuss about Data Manipulation Commands with example.

4. What is the procedure to create and rename the table? Explain with example.

5. Write a brief note on Logical structures.

6. Discuss the procedure of joining the multiple tables in a query.

7. Write in detail about working with NULL values.

8. Write short note on DROP table function with examples.

PART B — ($3 \times 15 = 45$ marks)

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

All questions carry equal marks.

9. Elaborate Relational model in detail.

10. Write in detail about the Oracle architecture with neat diagram.

11. Explain about table definitions with example.

12. Describe about Embedded SQL.

13. Write in detail about mapping operations.

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PG-C-2311 **MCA-22X**

P.G. DEGREE EXAMINATION – DECEMBER, 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. Write about main frame.

2. Explain the following: Remote boot services

3. Give an account on Client service.

4. List out the advantages of Client/Server computing.

5. Write short notes on windows services.

6. Explain in detail about Novell network.

7. Write short notes on Power Builder.

8. Explain platform migration in detail.

PART B — ($3 \times 15 = 45$ marks)

Answer any THREE questions out of Five questions in 1000 words

All questions carry equal marks

9. Describe in detail about centric client/server computing.

10. Illustrate about Inter process Communication (IPC).

11. Describe in detail about OLE/CORBA.

12. Explain in detail about System Application Architecture (SAA).

13. Discuss about open system interconnect (OSI) in detail.

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PG–C–2312 **MCA–23X**

P.G. DEGREE EXAMINATION — DECEMBER 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. Define the term Multimedia. Discuss in detail.

2. What do you mean by analog and digital video? Explain.

3. Write about media classes in detail.

4. What is the use of CD family? Discuss.

5. Write a brief note on image compression standards.

6. Write the advantages of Multimedia.

7. Write about characteristics of Multimedia.

8. What is called MPEG? Discuss.

PART B — $(3 \times 15 = 45$ marks)

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

All questions carry equal marks.

9. Elaborate the components of Multimedia.

10. Write in detail about video compression techniques.

11. Explain about component classes in multimedia.

12. How multimedia is being used in training and education? Describe.

13. Write in detail about multimedia application.

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PG–C–2313 **MCA–24X**

P.G. DEGREE EXAMINATION — DECEMBER 2023

Computer Application

Third Year

DISTRIBUTED COMPUTING

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. Discuss load balancing in detail.

2. Brief about non-blocking primitives.

3. Write about multi exclusion.

4. What is called file service interface? Explain in detail.

5. Write a brief note on switched multi computers.

6. Discuss procession allocation.

7. Write the limitations of distributed computing.

8. Write the characteristics of distributed computing.

PART B — $(3 \times 15 = 45$ marks)

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

All questions carry equal marks.

9. Elaborate design issues of distributed computing.

10. Write in detail about client server implementation.

11. Explain clock synchronization in distributed systems.

12. Describe storing data in distributed system.

13. Write in detail about distributed computing models.

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PG–C–2314 MCA–25X

P.G. DEGREE EXAMINATION — DECEMBER, 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 note on stand–alone scripts.

2. What is called ActiveX documents? Brief about it.

3. Write about hyperlinking interface.

4. Give a brief note on DHTML applications.

5. Define URL.Give example.

6. What is IIS hacking and how it works?

7. Explain the following.

   (a) Adding an event in Active X controls.

   (b) Is it possible to create an Active X control without user Interface?

8. What are the benefits of JavaScript?

PART B — ($3 \times 15 = 45$ marks)

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

All questions carry equal marks.

9. How to create Active X controls? Explain.

10. Write in detail about Active X document architecture.

11. Explain ISAPI filter.

12. Describe about launching and testing the document.

13. Write in detail about,

   (a) Hyperlink interface

   (b) Migration wizard