

M.C.A. DEGREE EXAMINATION —  
DECEMBER, 2019.

Third Year

RELATIONAL DATABASE MANAGEMENT  
SYSTEM

Time : Three hours

Maximum marks : 75

PART A — (5 × 5 = 25 marks)

Answer any FIVE questions.

1. Define a database management system. List the advantages of DBMS.
2. Define DML. What are the two types of DML?
3. What are the object relational features of oracle?
4. List the major structures of SGA.
5. What are the DML commands of Oracle?
6. How to work with null values in Oracle?
7. Write the general form to create a table. Give an example to create a table.

PART B — (5 × 10 = 50 marks)

Answer any FIVE questions.

8. Explain the database architecture with a neat diagram.
9. Give a detailed description on the relational operations.
10. Explain the Oracle database architecture.
11. Explain the logical structures of Oracle.
12. Describe the elements of SQL language.
13. How are tables handled in SQL?
14. What is embedded SQL? Explain the various embedded SQL statements.

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**PG-828**

**MCA-22**

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**CLIENT SERVER TECHNOLOGY**

Time : 3 hours

Maximum marks : 75

**PART A — (5 × 5 = 25 marks)**

Answer any FIVE questions.

1. Write about Mainframe.
2. List out the advantages of Client Server Computing.
3. List out the Client components.
4. Explain Novell Network.
5. What is WAN Technology?
6. Explain in detail about SQL Windows.
7. Explain Platform Migration in detail.

PART B — (5 × 10 = 50 marks)

Answer any FIVE questions.

8. Explain in detail about Client/Server Development Tools.
9. Explain in detail about Fax/Print Services and RPC.
10. Discuss in detail about OLE/DCOM.
11. Describe in detail about System Application Architecture (SAA).
12. Discuss in detail about IPC.
13. Explain in detail about OSI layers and its functions.
14. Explain in detail about power builder.

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**MULTIMEDIA SYSTEMS**

**Time : 3 hours**

**Maximum marks : 75**

**PART A — (5 × 5 = 25 marks)**

**Answer any FIVE questions.**

1. Describe about Media in real life.
2. Brief about object oriented Multimedia.
3. Write the advantage and disadvantages of multimedia.
4. Write about Multimedia platforms.
5. Explain Image compression standards.
6. Write short note on the components of Multimedia.
7. Write short note on Multimedia environment – CDi.

PART B — (5 × 10 = 50 marks)

Answer any FIVE questions.

8. Explain in detail about media types with example.
  9. Describe in detail about Multimedia development tools and its types.
  10. Explain in detail about the overview of Multimedia frameworks.
  11. Elaborate Evaluation of Compression techniques.
  12. Describe in detail about Multimedia Architecture and Operations.
  13. Explain about the Applications of Multimedia.
  14. Write in detail about Transform Classes.
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**DISTRIBUTED COMPUTING**

Time : 3 hours

Maximum marks : 75

**PART A — (5 × 5 = 25 marks)**

Answer any FIVE questions.

1. Explain about the Process migration.
2. Discuss the performance and Scalability.
3. Describe the Distributed System.
4. Write a note on Client / Server model.
5. Describe about the Election algorithms.
6. Write short notes File service interface.
7. Discuss about the Updating distributed data.

PART B — (5 × 10 = 50 marks)

Answer any FIVE questions.

8. Discuss about the Distributed computing models.
  9. Write short notes on Switched Multi computers.
  10. Explain about the blocking versus Non-blocking primitives in detail.
  11. Discuss about the Clock synchronization in distributed systems.
  12. Explain about the Dead lock distributed system.
  13. Describe the Distributed DBMS Architecture.
  14. Discuss on the Distributed Concurrency control.
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**PG - 831**

**MCA - 25**

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**Third Year**

**NETWORK PROGRAMMING**

**Time : 3 hours**

**Maximum marks : 75**

**PART A — (5 × 5 = 25 marks)**

**Answer any FIVE questions.**

1. Explain about URL Monickers.
2. Explain how a DLL is tested.
3. Write short note on standalone scripts.
4. Explain about Active X controls.
5. Write about hyper linking.
6. What is IIS and how it works.
7. Describe the launching process of Active X document.

PART B — (5 × 10 = 50 marks)

Answer any FIVE questions.

8. Explain about the creation of active X controls.
9. Discuss about the working of URL.
10. Write about ISAPI.
11. Describe about building IIS applications.
12. Discuss about building DHTML Application.
13. Write an overview of Active X Scripting.
14. Write about the creation of Active X documents.

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