

Reg. No. :

--	--	--	--	--	--	--	--	--	--	--	--	--	--

Question Paper Code : 75566

5 Year M.Sc. DEGREE EXAMINATION, NOVEMBER/DECEMBER 2013.

Elective

Software Engineering

XIT 002 – CLIENT SERVER COMPUTING

(Common to 5 year M.Sc. Information Technology)

(Regulation 2003)

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. Brief the characteristics of client server systems?
2. Define fat server and fat client.
3. What is the drawback of stored procedure?
4. What are the roles of SQL?
5. What is database driver?
6. Differentiate chained and nested transactions.
7. What is object linking and embedding?
8. What is Dynamic Linked Library?
9. What is an application Framework?
10. Brief the kinds of dialogs.

PART B — (5 × 16 = 80 marks)

11. (a) Discuss the services provided by operating system to a server in a distributed environment. (16)

Or

- (b) (i) Explain the challenges created by RPC for NOS designers. (8)
- (ii) Compare MOM and RPC. (8)

12. (a) (i) Explain the SQL database server architectures. (12)
(ii) Discuss the mechanics of SQL Triggers? (4)
Or
(b) Explain about flat transactions and its limitations. (16)
13. (a) (i) Write the need for database connectivity and discuss the architecture of ODBC. (10)
(ii) Explain various gateway components supported by EDA/SQL. (6)
Or
(b) Explain IBM's Distributed Database strategy with four levels of database transactions and features. (16)
14. (a) Develop a VC++ program to change the cursor and background color, when the user presses right click and double click respectively using AppWizard. (16)
Or
(b) Explain message system and device context in windows 32 bit Application Programming Interface. (16)
15. (a) Explain the database support in MR and how to create a database application. (16)
Or
(b) Develop an MFC which allows user to open several documents at a time; each document is viewed and edited within a separate child frame window contained in the workspace of the main frame window. (16)
-