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SUBJECT CODE NO:- H-1762
FACULTY OF ENGINEERING AND TECHNOLOGY
M.E. (Comp. Sci. & Engg.)
Advanced Database Mgt. System
(REVISED)

[Time: Three Hours]**[Max.Marks: 80]**

- Please check whether you have got the right question paper.
- N.B
- i) Solve any two questions from each section.
 - ii) Assume suitable data if necessary.
- Section A**
- Q.1
- a) What are long duration transactions? What are their effects on concurrency protocols? 10
 - b) Explain in detail about parallel database architecture with neat diagram. 10
- Q.2
- a) What is data frequentation in distributed database? Explain its types. 10
 - b) Explain the architecture of Transaction server in detail. 10
- Q.3
- a) What do you mean by TP monitors? Explain architecture of TP monitors in detail. 10
 - b) Explain Distributed Query Processing techniques in detail. 10
- Section B**
- Q.4
- a) List the basic operations of following built in interfaces for ODMV object model. 10
 - i) Object
 - ii) Collection
 - iii) Iterator
 - iv) Set and List
 - b) What is the difference between persistent and transient objects? How persistence is handled in typical OODBMS? 10
- Q.5
- a) What are differences between attributes and elements in xml? List some of the important attributes used to specify elements in xml schema. 10
 - b) Why are scripting languages popular for programming web application? Where in the Three-Tier architecture does a PHP Program execute? Where does a JavaScript program execute? 10
- Q.6
- a) Explain various mobile Transaction models in detail. 10
 - b) Explain various MDDMS components in detail 10