T.E. (computer) (sem-VI) (CB) Date-16/12/19

Paper / Subject Code: 88906 / Elective - II Advance Database System

(3 Hours) Total Marks:80

N.B. : (1) Question No. 1 is compulsory

(2) Attempt any three questions out of remaining five.

 2. (a) What is External sorting in Query processing (b) Consider the following schema Department (Dno, Dname, Budget, Location) Employee(Eid, Ename, Title, Dno) Salary(Title, Salary) Show one example of Horizontal and vertical fragmentation with fragmentation rules in detail 3. (a) Explain Three Phase Commit Protocol in detail (b) What is XML? also explain xml schema document with example. 4. (a) Draw and explain architecture for distributed database system (b) Explain different types of Spatial Data models 5. (a) Write a short note on Temporal Data Model (b) Explain Discretionary access control in detail. 6. Write a short note on (Any 2) (a) Single-Level Ordered Indexes (b) Replication and Allocation Techniques for Distributed Database Design. 	1.	(a) (b) (c) (d)	Explain Query Processing in distributed databases. What is Need of Document Oriented database Explain cost based query optimization. What is SQL Injection ?Given one example	20
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(a) Single-Level Ordered Indexes			그는 사람들이 살아보면 보다 보다 보다 보다 보다 보다 되는 사람들이 되었다.	10
(c) Mandatory Access Control Access Control for Multilevel Security	6.	(b)	Single-Level Ordered Indexes Replication and Allocation Techniques for Distributed Database Design.	20
