

Seat No.	
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**B.E. (Computer Science & Engineering) (Semester-VII)
(Pre-Revised) (Old) Examination, May - 2017**

ADVANCED DATABASE SYSTEMS

Sub. Code : 47919

Day and Date : Wednesday, 17-05-2017

Total Marks : 100

Time : 2.00 p.m. to 5.00 p.m.

- Instructions :**
- 1) Attempt any three questions from each section.
 - 2) Assume suitable data wherever necessary.

SECTION-I

- Q1) a)** Give an overview of an object oriented concepts. [8]
b) Explain with example type inheritance and table inheritance. [8]
- Q2) a)** What is speed up and scale up? Explain with an appropriate graph. [8]
b) Explain the concept of fragmentation and replication in distributed databases. [8]
- Q3) a)** Explain the structure of an XML data and XML schema. [8]
b) Explain various parallel database architectures. [8]
- Q4) Write short notes on (any 3). [6+6+6]**
- a) Nested relations.
 - b) Complex objects.
 - c) Client-server Architecture.
 - d) Overview of SQL-3.

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SECTION-II

- Q5) a) State and explain database connectivity standards. [8]
b) What is performance tuning? State and explain the various levels that the DBA can use to tune a system. [8]
- Q6) a) What are decision tree classifiers? Explain with an example. [8]
b) What is performance benchmark? Explain suites of tasks with an example. [8]
- Q7) a) What is a data warehouse? Explain the various components of it. [8]
b) What is E-commerce? Explain different types of E-commerce market places. [8]
- Q8) Write short notes on (any 3). [6+6+6]
a) Transactional workflow.
b) Main Memory databases.
c) Long duration transactions.
d) Relevance Ranking in information retrieval.

