

MASTER OF TECHNOLOGY (COMPUTER ENGINEERING) (CBCS - 2015
COURSE) M. Tech. (Computer Engineering) Sem-I: WINTER- 2019
SUBJECT: ADVANCED DATABASE MANAGEMENT SYSTEM (UE)

Wednesday 27-11-2019
11:00 AM-02:00 PM

W-14136-2019
Max. Marks: 60

N.B.

- 1) All questions are **COMPULSORY**.
- 2) Figures to the right indicate **FULL** marks.
- 3) Answers to both the sections should be written in **SEPARATE** answer book.

SECTION - I

Q.1 Explain the different architecture and Query Optimization in Parallel Database. (10)

OR

Discuss in detail the Distributed Data Storage and Concurrency Control in Distributed Database.

Q.2 What are Inverted Indexes? Discuss the mechanism for building an Inverted Index. (10)

OR

Explain the architecture and working of Web Search Engine.

Q.3 What is Data Warehousing? Explain the Star and Snowflake schema of a Data Warehouse. (10)

OR

What is Data Mining? State the different techniques used in Data Mining. Explain the Apriori algorithm.

SECTION - II

Q.4 Discuss in brief the concept of Object Oriented Data Model. (10)

OR

What is XML? Explain the Document Oriented schema mechanism for creating XML documents.

Q.5 What are Spatial Indexes? Explain in brief indexing based on space filling curves. (10)

OR

What are Grid Files? Explain in detail the creation and working of a Grid File.

Q.6 What is Deductive Database? Explain in detail the working of a Recursive Query. (10)

OR

Explain in detail the working of Transaction Process Monitor (TPM).

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