

M. Tech. –I (Computer Engineering) (CBCS – 2015 Course) :
WINTER - 2018
SUBJECT : ADVANCED DATABASE MANAGEMENT SYSTEM

Day : Monday
Date : 03/12/2018

Time : 11.00 AM TO 02.00 PM
Max. Marks : 60

W-2018-3108

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 books.

SECTION – I

Q.1 Explain in detail the different Parallel Database architecture. Discuss the portioning techniques used in parallel database environment [10]

OR

Discuss in brief the architecture and storage mechanism of Distributed Database.

Q.2 What are Web Search Engines? Discuss in details the architecture of Web Search Engine. [10]

OR

What is Web Crawling? Discuss the visiting policies in regards to Web Crawling.

Q.3 What is Data Warehousing? Explain the Star and Snow Flake schemas of a Data Warehouse. [10]

OR

State the different techniques used in Data Mining. Explain in detail the Market Basket Analysis technique.

SECTION – II

Q.4 Describe the different architecture for an OODBMS. State the advantages and disadvantages of OODBMS. [10]

OR

What is XML? Explain the DTD mechanism of creating XML document.

Q.5 What is a Spatial Database? Explain in detail the various types of Spatial data and Spatial Queries. [10]

OR

What are R-Trees? Explain in brief the creation and usage of R-Trees.

Q.6 What is a Deductive Database? Explain in detail the Recursive queries using negation. [10]

OR

What is a Transaction Processing Monitor? Explain in brief the different architectures of Transaction Processing Monitor.

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