



Name :

Roll No. :

Invigilator's Signature :

CS/MBA (NEW)/SEM-3FT & 5PT/SM-303/2010-11

2010-11

COMPUTER AIDED MANAGEMENT

Time Allotted : 3 Hours

Full Marks : 70

The figures in the margin indicate full marks.

Candidates are required to give their answers in their own words as far as practicable.

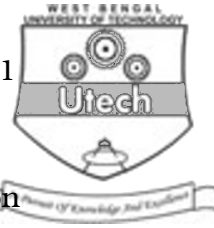
GROUP – A

(Multiple Choice Type Questions)

1. Choose the correct alternatives for any *ten* of the following :

10 × 1 = 10

- i) Which is not a part of KMS ?
 - a) Knowledge acquisition
 - b) Knowledge validation
 - c) Knowledge perfection
 - d) Knowledge verification.
- ii) Fuzzy logic deals with
 - a) ambiguous data
 - b) fused data
 - c) incomplete data
 - d) crisp data.
- iii) How many type(s) of data are there in a data warehouse ?
 - a) One
 - b) Two
 - c) Three
 - d) Four.



- iv) OLTP transaction must not adhere to
 - a) Atomicity
 - b) Isolation
 - c) Completeness
 - d) Durability.

- v) Single Layer Neural Network is also known as
 - a) Supervised training method
 - b) Unsupervised training method
 - c) Feed forward propagation training output
 - d) None of these.

- vi) What tool is OLTP ?
 - a) Query and Reporting Tool
 - b) Query and Analyzing Tool
 - c) Query and Decision Tool
 - d) None of these.

- vii) How many types of DSS Models are there ?
 - a) One
 - b) Two
 - c) Three
 - d) None of these.

- viii) OLAP is used to deal with
 - a) large volume of data
 - b) low volume of data
 - c) both (a) and (b)
 - d) none of these.

- ix) What does EDSS stands for ?
 - a) Executive Decision Support System
 - b) Exclusive Decision Support System
 - c) Both (a) and (b)
 - d) None of these.



- x) Data Analysis and Prediction Tools are of two varieties. What are they ?
- a) Statistical Tools and Spreadsheets
 - b) Statistical Tools and Reporting Tools
 - c) Reporting Tools and Spreadsheets
 - d) None of these.
- xi) In the three layer architecture of data warehouse, the third layer deals with
- a) real time data b) reconciled data
 - c) derived data d) none of these.
- xii) What are the tools used in Knowledge Management System ?
- a) Data warehouse tools b) Data mart tools
 - c) Data mining tools d) All of these.

GROUP – B

(Short Answer Type Questions)

Answer any *three* of the following. 3 × 5 = 15

2. Compare tacit & explicit knowledge.
3. Mention characteristics of data warehousing.
4. Explain various OLAP tools.
5. Discuss EIS.
6. Give an overview of Grid computing.



GROUP – C

(Long Answer Type Questions)

Answer any *three* of the following. $3 \times 15 = 45$

7. Explain the concept of Single Layer Neural Network. Also give an elaborated example to explain the same. 10 + 5
8. a) What are various tool & technology used in knowledge Management System ? 8
b) What do you mean by electronic document management ? Discuss its advantages. 7
9. What is Artificial Intelligence ? Explain briefly some of the task domains of AI. List three important AI techniques. 4 + 6 + 5
10. Explain the Data Warehouse structure in detail. Explain different types of data in a Data Warehouse. Explain the three layer architecture of Data Warehouse. 5 + 5 + 5
11. Write short notes on any *three* of the following : 3 × 5
 - a) Fuzzy logic
 - b) Genetic Algorithm
 - c) Expert System
 - d) Learning Algorithm
 - e) Data Mining.