Name : ....

Roll No. : ....

Invigilator's Signature : ....

CS/MBA (NEW)/SEM-3 (FT)/SM-303/2009-10
2009
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 of the following :   10 × 1 = 10

    i) DSS provides support for

        a) structured and unstructured decision

        b) unstructured and semistructured decision

        c) structured decision

        d) unstructured decision.

    ii) Collaborative computing is directly applicable to

        a) object oriented database management system

        b) relational database management system

        c) distance learning

        d) multimedia database management system.

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iii) A supply chain involves

    a)   a flow of materials   b)   suppliers

    c)   company itself   d)   customers.

iv) Data warehousing refers to

    a)   the secure storage of corporate data in a fireproof vault

    b)   the integration of multiple large databases into a single repository

    c)   a concept that is not longer practical due to the pace of technological change

    d)   none of these.

v) Which of the following is not a factor affecting decision making ?

    a)   technology   b)   information

    c)   competition   d)   software.

vi) OLAP stands for

    a)   Online Analytical Processing

    b)   Online Application Processing

    c)   Online Activation Protocol

    d)   Online Auto-Pilot.

vii) Fuzzy logic deals with

    a)   ambiguous data   b)   crisp data

    c)   incomplete data   d)   none of these.

viii) Knowledge engineering involves

    a)   definition and classification of knowledge

    b)   knowledge acquisition, representation and use

    c)   knowledge design

    d)   none of these.

ix) Data structure used to implement heuristic search is

    a)   binary tree   b)   any tree

    c)   both (a) & (b)   d)   none of these.

x) Artificial intelligence may have

    a)   intelligent agents   b)   visual perception

    c)   both (a) & (b)   d)   none of these.

GROUP – B
(Short Answer Type Questions)

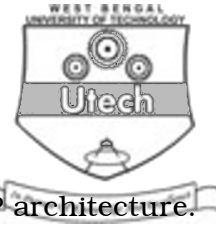Answer any *three* of the following.   3 × 5 = 15

2. What is knowledge management ? Explain its benefits.

3. Compare and contrast tacit knowledge and explicit knowledge.

4. Define supply and value chains with suitable examples.

5. What are the main bottlenecks in the development of Natural Language Processing (NLP) systems ?

6. What are the advantages of client-server systems ?

GROUP – C
(Long Answer Type Questions)

Answer any *three* of the following.   3 × 15 = 45

7. a) Explain Simon's model of decision making with diagram.   5

     b) Discuss DSS with suitable diagrams describing its architectural components and mentioning its capabilities and shortcomings.   10

8. a) What is an ERP ?

   b) Explain the components of a typical ERP architecture.

   c) Describe the basic features of some popular commercial ERP products. 5 + 5 + 5

9. a) Discuss in detail the various factors affecting the designing and implementation of MIS ? 8

   b) Describe the origins of grid computing. What are the benefits of enterprise grid computing ? 2 + 5

10. a) What are the main characteristics and limitations of an expert system ? 5 + 2

    b) Differentiate between the following : 4 × 2

       i) DSS and MIS

       ii) Open system and closed system

       iii) Structured decisions and unstructured decisions

       iv) Knowledge base and database.

11. Write short notes on any *three* of the following : 3 × 5

    a) Enterprise resource planning

    b) Fuzzy logic

    c) Distributed data processing

    d) Data mining

    e) Relational database management system.

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