Name : .....

Roll No. : .....

Invigilator's Signature : .....

CS/BCA/SEM-1/BCA-102/2009-10

2009

BUSINESS SYSTEMS AND APPLICATIONS

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 the following : 10 × 1 = 10

   i) Which of the following is *not* a language ?

      a) JAVA b) COBOL

      c) Oracle d) C++.

   ii) E-mail is an important function of

      a) expert system

      b) office automation system

      c) transaction processing system

      d) operating system.

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iii) The system that communicates with all other systems in its environment is called

a) open system

b) dynamic system

c) cybernetic system

d) adaptive system.

iv) An overall conceptual or logical view of the relationships between the data in database is called

a) schema

b) table

c) views

d) stored procedure.

v) "Mycin" is related to

a) neutral network

b) expert system

c) OLTP

d) transaction processing system.

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vi) DDL, DML, DCL are associated with

a) operating system

b) database operations

c) programming language

d) transaction processing.

vii) What is the nature of management process ?

a) time bound

b) continuous

c) disjointed

d) procedural.

viii) Manpower planning is also known as

a) organizational planning

b) human resource planning

c) job planning

d) manpower inventory planning.

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ix) 'Knowledge Engineering' (KE) refers to the building, maintaining and development of

a) knowledge-based systems

b) internet

c) biometric systems

d) digital systems.

x) Data mart is a

a) place where data are stored

b) place where outputs are stored

c) place where input are stored

d) user interface.

GROUP – B
(Short Answer Type Questions)

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

2. Briefly describe Data Warehousing. 5

3. What is SDLC and what are its various parts ? 5

4. a) Distinguish between data and information. 3

b) What is planning ? 2

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5. a) What is IS strategy ? 2

b) Briefly describe 'Business Process Reengineering'. 3

6. What is AI ? What is the difference between declarative & procedural knowledge ? 2 + 3

GROUP – C
(Long Answer Type Questions)

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

7. a) Define a system. Define an Information System (IS). Define Information Technology (IT). How is Information System different from Information Technology. 2 + 2 + 2 + 3

b) Briefly describe the Information System Framework with Diagrammatic representation. 6

8. a) How can you define a "Dynamic System" ? Briefly focus on different components of a dynamic system with example. 6

b) What is a "Cybernetic System" ? How is this type of system different from a dynamic system ? Focus on the different components of a cybernetic system with example. 2 + 2 + 2

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c) What is an "Open System" and "Adaptive System" ? Give examples. 3

9. a) Explain Distributed Database Processing & compare it with Centralized Processing.

b) What are the advantage of a DBMS in a business information system ?

c) What is the difference between Exception Reports & Demand Reports ? Explain with an example.

d) What is Information Pyramid ? 4 + 4 + 3 + 4

10. a) What is ERP architecture ?

b) What are the measures required for ERP implementation ?

c) Briefly explain the term centralized transaction processing & client server computing.

d) What is knowledge based system & expert system.

3 + 4 + 4 + 4

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

a) Executive support system

b) Difference between MIS & TPS

c) End-User computing

d) Data warehouse

e) Advantage & Disadvantage of virtual office

f) CRM

g) Documentation

h) E-business.

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