Name : ....

Roll No. : ....

Invigilator's Signature : ....

CS/BCA/SEM-1/BCA-102/2010-11

2010-11

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 any *ten* of the following :

$$10 \times 1 = 10$$

   i)   Function of Management includes

   a)   Planning   b)   Organizing

   c)   Control   d)   All of these.

   ii) The strategic level of Management is

   a)   Top Level   b)   Middle Level

   c)   Supervisory Level   d)   All of these.

   iii) Simon's model of decision making involves

   a)   intelligence   b)   design

   c)   choice   d)   all of these.

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iv) Prototype refers to the

    a) working model of the proposed system

    b) working model of final system

    c) both (A) and (B)

    d) none of these.

v) TPS maintains

    a) DBMS   b) data warehouse

    c) data mart   d) none of these.

vi) The business information system should help in

    a) decision making   b) knowledge gathering

    c) productivity   d) all of these.

vii) DSS implementation consists of

    a) dialogue module   b) database module

    c) model subsystem   d) all of these.

viii) Data manipulation includes

    a) classifying data   b) sorting data

    c) summarizing data   d) all of these.

ix) The primary function of data mart is

    a) data cleaning   b) data integration

    c) data selection   d) none of these.

x) Detail MIS design phase addresses the key issue of

    a) User interface   b) Screen design

    c) Output layouts   d) All of these.

xi) Re-engineering is

    a) Fundamental rethinking

    b) Radical redesign of business process

    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 an ERP Architecture ?

3. What is virtual office ? Mention its advantages and disadvantages.

4. Explain with suitable example about static and dynamic systems.

5. Briefly explain the terms 'centralized transaction processing' and 'distributed processing'.

6. What is SDLC and what are its parts ?

GROUP – C

(Long Answer Type Questions)

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

7. a) Define MIS and discuss its objectives.   5

   b) List the steps for designing and implementing an MIS and illustrate the same with a flow diagram.   10

8. a) What are the characteristics of short term and long term IS plannings ? Explain them.   6

   b) What is Executive Information System ?   2

   c) Explain the applications of AI in different fields.   7

9. a) What is your opinion about Office Automation ? 5

   b) What is business process re-engineering ? What steps are required to make it possible ? 10

10. a) What is DSS ? What is the purpose of DSS ? 5

    b) What is information pyramid ? 4

    c) Compare the following : 6

       i) Extranet and Internet

       ii) OLTP and OLAP

       iii) EIS and ESS.

11. Write short notes on any *three* of the following : 3 × 5 = 15

    a) Groupware

    b) Virtual Office

    c) CRM

    d) Documentation

    e) TQM

    f) Supply Chain Management.

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