

Name : .....

Roll No. : .....

Invigilator's Signature : .....

**CS/BCA/SEM-1/BCA-102/2012-13**

**2012**

**BUSINESS SYSTEM & APPLICATION**

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) EDI stands for

- a) Electronic Data Interchange
- b) Electronic Device Interchange
- c) Electronic Data and Informance
- d) none of these.

ii) Online retail is sometimes known as

- a) e-retail
- b) e-tail
- c) conferencing
- d) all of these.

- iii) The internal information within an organization is generated in terms of
- a) Reports
  - b) Memos
  - c) Notices
  - d) all of these.
- iv) Strategic planning is measurable in terms of
- a) Months
  - b) Weeks
  - c) Years
  - d) Days.
- v) e-mail is an important function of
- a) Expert System
  - b) OAS
  - c) TPS
  - d) DSS.
- vi) Wage analysis is an example of
- a) Operational informance
  - b) Tactical information
  - c) Strategic information
  - d) none of these.
- vii) Solar system is an example of
- a) Physical system
  - b) Virtual system
  - c) Living system
  - d) all of these.
- viii) ..... is the system function which compares the o/p to predetermined standards.
- a) Feedback
  - b) Control
  - c) System boundary
  - d) none of these.

- ix) A collection of logically related records is
- a) File
  - b) Data
  - c) Information
  - d) Tuple.
- x) ..... is also known as paperless office.
- a) MIS
  - b) OAS
  - c) TPS
  - d) ESS.

**GROUP - B**

**( Short Answer Type Questions )**

Answer any *three* of the following.  $3 \times 5 = 15$

2. What are the basic differences between data, information and knowledge ?
3. Describe the Role of Artificial Intelligence and Expert system in business.
4. Explain the concept of data mining & Data warehousing.
5. Mention three functions of transaction processing.
6. Describe various network topologies.

**GROUP - C**

**( Long Answer Type Questions )**

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

7. Explain the following with their advantages and disadvantages :  $5 + 5 + 5$ 
  - a) Waterfall model
  - b) Spiral model
  - c) Prototype model.

8. Differentiate between ERP and BPR. What is knowledge Management ? Write the steps of knowledge management.

5 + 3 + 7

9. What are the basic elements of IT infrastructure ? What IT resources are required to generate information ? Define MIS and discuss its objectives. Where do you conduct Cost Benefit analysis in an SDLC ?

2 + 2 + 6 + 5

10. Differentiate between OLTP and OLAP. Differentiate between LAN and WAN. What is end user computing ? Why is end-user computing necessary ?

5 + 5 + 2 + 3

11. What is transaction processing system ? Explain the merits and demerits of batch processing system. Explain different types of decision making phases.

2 + 5 + 4 + 4

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