

**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 :

10X1 = 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.

3X5 = 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.

3X15 = 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 Managemnet ? 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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