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)
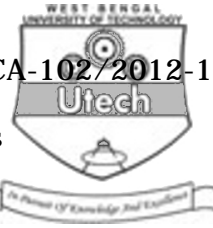
1. Choose the correct alternatives for the following :

$10 \times 1 = 10$

    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.

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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 examle 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 × 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 × 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 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