CS/BCA/ODD SEM/SEM-1/BCA-102/2016-17

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Paper Code : BCA-102

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 :

$$10 \times 1 = 10$$

i)   BPR stands for

   a)   business process ready

   b)   business process reengineering

   c)   business process recycling

   d)   business program ready.

ii) Normalization techniques are used in database design to ensure that

   a)   duplication is there

   b)   duplication is avoided

   c)   both (a) and (b)

   d)   none of these.

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iii) Strategic planning is measurable in terms of

   a) days   b) weeks

   c) months   d) years.

iv) Which of the following is not a language ?

   a) JAVA   b) Oracle

   c) C++   d) COBOL.

v) OLTP stands for

   a) offline transaction processing

   b) online transaction processing

   c) offline training placement

   d) online training processing.

vi) AI is applied for

   a) Game Playing   b) Speech processing

   c) Scheduling   d) All of these.

vii) E.I.S. is useful for which level of management ?

   a) Upper   b) Bottom

   c) Middle   d) None of these.

viii) DDL, DML and DCL are associated with

   a) database operations

   b) operating systems

   c) transaction processing

   d) programming language.

ix) Teleconferencing refers to

a) audio conferencing

b) computer conferencing

c) video conferencing

d) all of these.

x) Data mart is a

a) place where data are stored

b) user interface

c) place where inputs are stored

d) place where outputs are stored.

GROUP – B

(Short Answer Type Questions)

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

2. What is SDLC and what are its various parts ?

3. How can video conferencing save money for a business ? What applications are often used in office automation ?

4. Explain distributed database processing and compare it with centralized processing.

5. Briefly describe Data Warehousing.

6. What is information ? Write the characteristics of information.

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GROUP – C

(Long Answer Type Questions)

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

7. a)   What are the characteristics of short term and long term IS plannings ?

    b)   What is Executive Information System ?

    c)   Explain the applications of AI in different fields.

    6 + 2 + 7

8. a)   Define MIS and discuss its objectives.

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

    5 + 10

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

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

    5 + 5 + 2 + 3

10. What is transaction processing system ?

    Explain the merits and demerits of batch processing system.

    Explain different types of decision making phases.

11. Explain the following with their advantages and disadvantages :   5 + 5 + 5

    a)   Waterfall model

    b)   Spiral model

    c)   Prototype model.