CS/BCA/Odd/Sem-1st/BCA-102/2015-16

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BCA-102

BUSINESS SYSTEMS AND APPLICATIONS

Time Allotted: 3 Hours   Full Marks: 70

The questions are of equal value.
The figures in the margin indicate full marks.
Candidates are required to give their answers in their own words as far as practicable.
All symbols are of usual significance.

GROUP A
(Multiple Choice Type Questions)

1. Answer *all* questions.   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) System is a

(A) single entity   (B) collective entity
(C) both (A) and (B)   (D) none of these

(iii) E-mail is an important function of

(A) expert system   (B) office automation system
(C) transaction processing system   (D) operating system

1157   1   **Turn Over**

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(iv) Inference engine is one of the components of

(A) Artificial intelligence   (B) Expert system

(C) End user   (D) OAS

(v) The nature of tasks of DSS is

(A) highly structured   (B) semi structured

(C) unstructured   (D) both (B) and (C)

(vi) Data mart is a

(A) place where data are stored   (B) place where outputs are stored

(C) place where inputs are stored   (D) user interface

(vii) Strategic planning is related with

(A) top level   (B) middle level

(C) bottom level   (D) none of these

(viii) 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

(ix) BPR means

(A) Business Presentation Reconstruction

(B) Business Preview Render

(C) Business Process Reengineering

(D) None of these

(x) Teleconferencing refers to

(A) audio conferencing   (B) video conferencing

(C) computer conferencing   (D) all of these

CS/BCA/Odd/Sem-1st/BCA-102/2015-16

GROUP B
(Short Answer Type Questions)

Answer any *three* questions.   3×5 = 15

2. Distinguish between data and information. What is planning?   3+2

3. What is virtual office? What are its advantages and disadvantages?   2+3

4. Briefly discuss data warehousing.   5

5. Briefly discuss the concept of data base management system (DBMS).   5

6. What are the functions of transaction processing?   5

GROUP C
(Long Answer Type Questions)

Answer any *three* questions.   3×15 = 45

7. (a) What are the characteristics of short term and long term IS planning?   4
   (b) What is information pyramid?   4
   (c) Explain the applications of AI in different fields.   7

8. (a) What is DSS? What are the differences between MIS and DSS?   2+4
   (b) What is business process re-engineering? What steps are required to make it possible?   2+4
   (c) What is executive information system?   3

9. (a) Define a system. Define an Information System (IS). Define Information Technology (IT). How is Information System different from Information Technology?   2+2+2+3
   (b) Briefly describe the Information System Framework with Diagrammatic representation.   6

1157   3

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10.(a)	What is ERP architecture?	3
(b)	What are the measures required for ERP implementation?	4
(c)	Briefly explain the term centralized transaction processing and client server computing.	4
(d)	What is knowledge based system and expert system?	4

11. Write short notes on any *three* of the following: 3×5
   (a) Intranet, Extranet and Internet.
   (b) Local Area Network (LAN).
   (c) Groupware
   (d) Difference between MIS & TPS.
   (e) Cost benefits analysis.