

Y 3002

M.C.A. DEGREE EXAMINATION, NOVEMBER/DECEMBER 2006.

*Elective*

CA 032 — BUSINESS DATA PROCESSING

(Regulation 2002)

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. Compare master file and transaction file.
2. List the steps of data processing.
3. Compare sorting, merging.
4. Why do you need arrays?
5. What is the need for spread sheet?
6. Enumerate the use of spell check in Word processor.
7. List the disadvantages of E-Commerce.
8. Why do you require user interface?
9. Why do you need database connectivity?
10. How are subroutines called in a COBOL program?

PART B — (5 × 16 = 80 marks)

11. (a) (i) Explain the following verbs in COBOL COMPUTE, DIVIDE, SUBTRACT, MULTIPLY. (8)
- (ii) Explain the REDEFINES clause and write a COBOL program using REDEFINES clause to print month name if month number is given.

Ex. If 2 is given as input FEBRUARY is to be printed. (8)

Or

(b) (i) What are subroutines? Why subroutines are needed? Explain with an example. (8)

(ii) List and explain any three control structures with examples. (8)

12. (a) (i) What are the different types of file used in dataprocessing. Explain with example. (8)

(ii) Explain the collision handling technique in hashing. (8)

Or

(b) (i) Write notes on mainframe computing. (8)

(ii) Briefly describe the different searching techniques. (8)

13. (a) (i) Describe the features of report writers. (8)

(ii) Discuss the advantages of database package for data processing. (8)

Or

(b) (i) Explain how the data in worksheet can be protected from strange users. (8)

(ii) Explain with examples, any four macros used in spread sheets. (8)

14. (a) (i) What do you mean by user interface? What are the different forms of implementing user interface? Explain. (8)

(ii) Discuss the features of forms and menus in data processing. (8)

Or

(b) Design a menu based commercial system to automate a supermarket in the following areas : (16)

(i) Inventory of the stock

(ii) Bill for customer

(iii) Items to be purchased for the store.

15. (a) (i) Explain the features of visual COBOL. (8)
- (ii) Discuss the advantages of visual tools. (8)

Or

- (b) Write notes on :
- (i) Communication tools. (8)
- (ii) Database connectivity. (8)
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