E 8202

M.C.A. DEGREE EXAMINATION, NOVEMBER/DECEMBER 2005.

Elective

CA 032 — BUSINESS DATA PROCESSING

Time : Three hours   Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. List the steps of data processing.

2. Why do we require verification of data?

3. Compare sorting, merging.

4. List the need for subroutines.

5. Compare word processor, spread sheet.

6. Write the use of spell check in word processor.

7. Why do you require user interface?

8. List the disadvantages of E–Commerce.

9. How are visual tools useful for user interface?

10. Write the structure of COBOL program.

PART B — (5 × 16 = 80 marks)

11. (i) What are the different types of file used in data processing? Explain with example.   (8)

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

12. (a) (i) Explain the following verbs in COBOL :
             COMPUTE, DIVIDE, SUBTRACT, MULTIPLY   (8)

        (ii) Using any two sorted data files, write a COBOL program incorporating the MERGE feature to merge the two files into one file.   (8)

Or

(b) (i) Given a date, write a COBOL program to print the month in words. Use array.

Example : Given date is 13/3/05

Print as "MARCH". (8)

(ii) Write notes on different data names available in COBOL. (8)

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

(ii) What are report writers? Explain how they are used in data processing for report preparation. (8)

Or

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

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

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

(ii) "World is moving towards E–Commerce"–True or False. Justify your answer. (8)

Or

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

(i) Saving accounts. (6)

(ii) Credit cards. (6)

(iii) Fixed deposit accounts. (4)

15. (a) List the features of object oriented COBOL. How visual COBOL helps to create GUI? Explain. (16)

Or

(b) Write notes on :

(i) Database connectivity. (8)

(ii) System design with visual tools. (8)