(Following Paper ID and Roll No. to be filled in your Answer Book)

PAPER ID : 1454   Roll No.

M. C. A.

CARRY OVER PAPER EXAMINATION, 2007

BUSINESS DATA PROCESSING WITH COBOL

Time : 3 Hours]   *[Total Marks : 100*

Note :   (1)   *Attempt all questions.*

(2)   *All questions carry **equal** marks.*

1   Attempt any **two** parts of the following :   **10×2=20**

(a)   Explain the following terms :

(i)   Business Data Processing

(ii)   Computer Application Areas

(iii)   Advantages of Databases

(iv)   Transaction files

(v)   Data verification.

(b)   What is the purpose of file section in COBOL? What is the purpose of statement on LABEL RECORDS? Discuss with the help of an example.

(c)   Distinguish between elementary and group data item in COBOL. What is the role of different divisions in COBOL?

Ketan

2   Attempt any **two** parts of the following :   **10×2=20**

(a)   What is the role of REDEFINES and RENAME clause in COBOL? Describe with the help of an example.

(b)   Define blocking factor. Differentiate between physical and logical record. Explain how blocking saves space and disk or lape.

(c)   How many different types of files are there in COBOL? Write about ENVIRONMENT and DATA DIVISION entries of those files with VERB format.

3   Attempt any **two** part of the following :   **10×2=20**

(a)   Design and write a COBOL program to enter marks of all students in a class for three subjects and print the results.

(b)   What is the purpose of FILLER data name in a COBOL program? Explain their utility with the help of an example. Write the syntax of OCCURS clause.

(c)   Why is it that a file is OPENED although the read command transfers data from the input device to memory. Describe with the help of an example. Will this logic hold good for write statement also Justify your answer.

4   Attempt any **two** part of the following :   **10×2=20**

(a)   Explain the following COBOL verbs with one example each :

(i)   USAGE clause

(ii)   VALUE clause

      (iii)   EXIT statement

      (iv)   PERFORM statement.

(b) What is MODULAR programming. What is an I/O area or buffer? What is the purpose of STRING and UNSTRING verbs in COBOL? Explain with example.

(c) Explain the following COBOL statement and correct them if found wrong :

      (i)   ADD BASIC-PAY DA HRA

      (ii)   MULTIPLY QUANTITY BY RATE GIVING AMOUNT

      (iii) DIVIDE AMOUNT BY RATE GIVING QUANTITY ON SIZE ERROR GO TO DISPLAY-PARA

      (iv) WRITE ON PRINTER STUDENT-RECORD

      (v)   MOVE BP DA HRA TO GP.

5   Attempt any **two** parts of the following :   **10×2=20**

(a) Write a program in COBOL using PERFORM to obtain sum of all natural numbers upto 1000.

(b) Explain the concept of blocking and buffering can they be used for all types of files? What advantages are offered by these techniques.

(c) What are the different types of file organization? What are the various ACCESS MODE clauses for the different types of files?

_____

V–1454]   **3**   **[25]**