PGDCA / MCA (I Yr) / BCA

Term-End Examination

December, 2010

00217

CS-03 : FILE STRUCTURE AND PROGRAMMING IN COBOL

Time : 2 hours   *Maximum Marks : 60*

Note :   *Question number 1 is compulsory. Answer any three questions from the rest. Attempt all parts of a question together.*

1.   (a)   Write a program in COBOL which   10
          calculates the net salary and gross salary of
          employees of ABC Ltd. Following are the
          components of salary calculation.

          Basic - 10000 to 30000 (Any amt.)

          DA - 75% of Basic

          HRA - 25 % of Basic

          PF - 17.5%

          Mediclaim - Rs. 580/- p.m.

          The suitable assumptions can be taken.

(b) Write a program in COBOL which can **10** SORT the employee records alphabetically on name and can search the employee whose presence is less than 75% of the working days of the month.

(c) Explain relative file organisation with the **10** help of an example. What are its advantages ?

2. Write a program in COBOL that can assign **10** Grades for the student's performance in 5 subjects whose marks can be the input to the system. Grading scheme is as under :

Marks	Grade
$\geq 85\%$	A
$\geq 75\%$	B
$\geq 65\%$	C
$\geq 50\%$	D
Below 50%	Fail.

3. (a) Discuss all the four distinct divisions in a **5** COBOL program.

(b) Discuss all input/output verbs as the **5** statements and there usage with example.

4. (a) Write a program to explain how OCCURS 5
clause can be used in COBOL.

   (b) Differentiate between Elementary MOVE 5
and Group MOVE using an example.

5. (a) Discuss the use of STRING statement with 5
the help of an example.

   (b) Discuss the working of MERGE statement 5
with the help of an example.

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