

II B.Tech I Semester Supplementary Examinations, May 2005
DATA PROCESSING AND FILE ORGANIZATION (COBOL)
(Common to Computer Science & Engineering, Information Technology
and Computer Science & Systems Engineering)

Time: 3 hours**Max Marks: 80**

Answer any FIVE Questions
All Questions carry equal marks

1. (a) Give the syntax and explanation through examples of any three forms of PERFORM verb.
(b) What are the various editing function available in COBOL? Explain it detail (with examples) any three editing function.
2. (a) What is the function of class condition? Write the structure of a class condition and write various rules of class condition. Illustrate through examples.
(b) What is the use of Condition-Name condition? Write the rules applicable for a Condition-Name condition. Illustrate through examples.
3. What is the use of structured flow charts? Draw the flow chart to find the maximum and minimum elements from a given N numbers. (The flow chart must use all types of symbols). Develop - COBOL program for the base.
4. (a) Explain Tape Record, Blocks, and Inter block gaps.
(b) Draw the sample Tape recording format that contains one record per block.
5. (a) An employee master file with the following format is stored on disk as an indexed sequential file.
Employee number (6 characters),
Employee name (30 characters),
Employee sex (1 character),
Gross salary to date (PIC 9(6)V99),
Total tax deductions (PIC 9(6)V99),
Total provident fund deductions (PIC 9(6)V99),
Net salary paid to date (PIC 9(6)V99).
Write a Cobol program which will accept from a terminal the employee number of an employee and retrieve and display his record on the terminal.
(b) In what way FILE_CONTROL paragraph of relative files differ from sequential files? Explain.
6. (a) A relative master file INVENTORY has the following format:
Item code(4 digits)-key field,
Item name(20 characters),
Quantity in stock(4 digits).
Write a Cobol program to update the STOCK file.
(b) Distinguish between sequential files and relative files.

7. Explain the following:

- (a) INPUT PROCEDURE
- (b) OUTPUT PROCEDURE
- (c) USE of SORT / MERGE Facility.

8. Explain meaning of following terms:

- (a) Page footing
- (b) Control heading
- (c) Report fooling
