

PGDCA (Practicals) / MCA (I Yr) / BCA
Term-End Practical Examination
June, 2007

CS-03P : FILE STRUCTURE AND PROGRAMMING IN COBOL

Time allowed : 2 hours

Maximum Marks : 100

(Weightage 15%)

General Instructions :

- (i) There are two **compulsory** questions in this paper of 40 marks each. Rest 20 marks are for viva-voce.
- (ii) Test your programs by running them on 5 to 10 records or data values.
- (iii) Print the programs and the results, if possible, otherwise write partial input and output on your answer script.
- (iv) Make and state suitable assumptions, if any.

1. A file contains the following data about the people in the Income Tax Office.

Name :	15 characters
PAN_NO :	10 digits
Annual_Income	10 digits
Income_Tax_Paid	10 digits
Year_Financial	10 digits

Write a COBOL program to sort the file in ascending order of Annual_Income. For people having same Annual_Income, sort them again as per ascending Income_Tax_Paid.

2. Write a program in COBOL that finds the largest and lowest of any 15 numbers. Also, it counts the number(s) having the same sum of all digits.

For example : 12, 102, 201, 3, 111 and 21 have same sum of digits like :
 $1+2=3$, $1+0+2=3$, $2+0+1=3$, $3=3$, $1+1+1=3$ and $2+1=3$.

