

PGDCA (Practicals) / MCA (I Yr) / BCA

Term-End Practical Examination

01527

June, 2011

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 data about employees of an XYZ organisation with the following record description : **40**

EMP_No : 5 Digits
EMP_Name : 15 Characters
Department : 15 Characters
Basic_Pay : 5 Digits
Allowance : 5 Digits
Deduction : 5 Digits

Write a program in COBOL to sort this file, first on *Department* in ascending sequence and then records having the same value for Department are to be arranged from the higher to the lower values of Basic_Pay.

2. Write a program in COBOL that find the number(s) having the same sum of all digits, **40** in the given list of numbers.

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 $2+1=3$.