

PGDCA (Practicals) / MCA (I Yr) / BCA
Term-End Practical Examination
June, 2008

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. Write a program in COBOL to generate an electricity bill. The considerations are as given below, for the calculation of the bill :

40

Unit	Cost/Unit
0 to 150	Rs. 1.35
151 to 250	Rs. 1.97
251 to 400	Rs. 2.50
401 and above	Rs. 3.25

These given rates are for domestic purpose. Commercial Meter rates are double of domestic rates.

2. Write a program in COBOL that finds the lowest and average of any 25 numbers. Also, group and list the number(s) having the same sum of all its digits.

40

For example : 12, 102, 201, 111 are having same sum of its digits like

$$12 \Rightarrow 1 + 2 = 3$$

$$102 \Rightarrow 1 + 0 + 2 = 3$$

$$201 \Rightarrow 2 + 0 + 1 = 3$$

$$111 \Rightarrow 1 + 1 + 1 = 3$$