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**Second Semester MCA Degree Examination, June/July 2011**  
**Business Data Processing with COBOL**

Time: 3 hrs.

Max. Marks:100

**Note: Answer any FIVE full questions.**

- 1 a. Discuss the various divisions of COBOL along with sections and paragraphs. (12 Marks)  
b. Explain any four editing characters with suitable examples. (08 Marks)
- 2 a. Discuss arithmetic verbs used in COBOL with syntax and example. (10 Marks)  
b. Explain the use of level numbers 66 and 88 with the rules to be followed while using them. (10 Marks)
- 3 a. Write a COBOL program to reverse a given integer and check whether it is palindrome or not. Also find the sum and product of the digits. (10 Marks)  
b. Explain the various types of perform statement in detail [Give syntax and example]. (10 Marks)
- 4 a. Write a program to call a subroutine by passing parameters from one to another. (06 Marks)  
b. Explain ROUNDED and ON SIZE ERROR options with an example. (04 Marks)  
c. Discuss OCCURS clause, rules that apply with INDEXED by phase is used along with example. (10 Marks)
- 5 a. Write a program to search an element in the array using SEARCH verb. (10 Marks)  
b. Explain SORT and MERGE verbs with syntax and example. (10 Marks)
- 6 a. Write a COBOL program to update (insert, delete, search and modify) index sequential file for the following record layout :  
Student – RCC  
USN – NO  
STUDENT – NAME  
COURSE  
STUDENT – MARKS. (10 Marks)  
b. Discuss procedure division statements of sequential file. (10 Marks)
- 7 a. Discuss the general format of report in COBOL. (08 Marks)  
b. Write a COBOL program to prepare the pay – roll of employees, with the following information to create sequential file :  
Input fields : emp-id, emp-name, basic  
Output fields : emp-id, emp – name, basic, DA, HRA  
Consider DA as 70% of basic  
HRA as 50% of basic. (12 Marks)
- 8 Write short notes on :  
a. JUSTIFIED clause  
b. SET verb  
c. Level numbers  
d. MOVE verb. (20 Marks)

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