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## Second Semester MCA Degree Examination, December 2011

### Business Data Processing with COBOL

Time: 3 hrs.

Max. Marks:100

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

- 1
  - a. Explain the various divisions of COBOL along with their sections and paragraphs. (03 Marks)
  - b. Explain COBOL coding sheet, in detail. (07 Marks)
  - c. Discuss different types of literals used in COBOL. (10 Marks)
  
- 2
  - a. What do you mean by PICTURE clause? Explain the four general characteristics described by PICTURE clause. (10 Marks)
  - b. Explain with examples, various arithmetic verbs available in COBOL. (10 Marks)
  
- 3
  - a. What is a condition? What are the different types of conditions available in COBOL? Explain SIGN condition and CLASS condition. (10 Marks)
  - b. Write a COBOL program to compute sum of digits and reverse of a given integer number. (10 Marks)
  
- 4
  - a. Explain various forms of PERFORM statements, with examples. (10 Marks)
  - b. Explain the following :
 

i) Synchronized clause	ii) Renames clause	iii) Redefines clause
iv) Sign clause	v) Justified clause.	

 (10 Marks)
  
- 5
  - a. Explain different categories of intrinsic functions available in COBOL. (10 Marks)
  - b. Discuss the following verbs with syntax and example :
 

i) SEARCH	ii) SEARCH ALL.
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 (10 Marks)
  
- 6
  - a. Write a subroutine program to calculate simple interest and compound interest, given principal amount, time and rate of interest. (10 Marks)
  - b. Explain the following string handling verbs :
 

i) String	ii) Unstring
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 (10 Marks)
  
- 7
  - a. Write a COBOL program to create sequential file for the following record format:
 

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          01. EMP – REC
            02. EMP – ID P/C X(5)
            02. EMP – NAME P/C X(20)
            02. EMP – SAL P/C 9(6)V99.
          
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 Accept N employee details and write them into file. (10 Marks)
  - b. Explain the SORT and MERGE verb, with an example. (10 Marks)
  
- 8
  - a. Explain different modes of opening a file in COBOL. (05 Marks)
  - b. Explain the following verbs used in indexed file organization :
 

i) OPEN	ii) CLOSE	iii) READ
iv) WRITE	v) REWRITE	vi) DELETE

 Explain the following procedure division statements of report writer module:
 

i) INITIATE	ii) GENERATE	iii) TERMINATE.
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 (10 Marks)