

Reg. No. :

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Name :

**Second Semester M.C.A. Degree Examination, October 2007
(Old Scheme)**

MCA 204 : BUSINESS DATA PROCESSING

Time : 3 Hours

Max. Marks : 75

Instructions: 1) All questions carry equal marks.

2) Answer any one question from Module I, four from Module II and one from Module III.

Module – I

1. a) What is data processing ? Define the terms with examples (1) record (2) file.
b) What are the various methods for data collection and storage ?
2. a) What do you mean by a master file and a transaction file ? Explain.
b) What are the various file recovery procedures ?

Module – II

3. Explain the structure of a COBOL program specifying various DIVISIONS and SECTIONS with a typical example.
4. Discuss the features and rules of
 - 1) REDEFINES
 - 2) RENAMES clauses.
5. Write a COBOL program to sort a set of numbers using BUBBLE SORT.

6. Given a file with following structure

10-NUMBER	9(6)
NAME	X (24)
DEPT	X(10)
BASIC-PAY	9(5) V 99
Allowance	9(4) V 99
Deduction	9(4) V 99

Write a COBOL program to sort the records on the basis of departments in ascending order and then within each department the records are sorted in the descending sequence of basic pay.

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7. What is an indexed sequential file and relative file ? Explain how these files are handled in COBOL.
8. Write a COBOL program to find whether a CUSTOMER is present in the account table or not using SEARCH verb.

Module – III

9. a) What is physical data independence and logical data independence ?
b) Discuss the structure of DBMS.
10. Define DDL, DML, Database administrator, relational model.

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