Reg. No. : ....   (Pages : 2)   **1119**

Name :......................................

First Semester M.C.A. Degree Examination, April 2007
FILE STRUCTURES AND PROGRAMMING IN COBOL

Time : 3 Hours   Max. Marks : 100

PART – A

Answer **all** questions. **Each** question carries **4** marks.

1. What is meant by saying the COBOL is self documenting ?

2. Explain the structure of COBOL program.

3. What is the difference between a literal and figurative constant ? How many different types of constants are there in COBOL ?

4. Consider the following COBOL statement. What does this imply ?

   FILE-CONTROL.

         SELECT CARD-DESIGN ASSIGN TO READER.

         SELECT PRINTER-FILE ASSIGN TO PRINTER.

5. How the WORKING STORAGE SECTION is defined in COBOL ?

6. Which are the verbs involved in input-output operations of COBOL programming and explain them.

7. Explain SYNCHRONIZED clause used in DATA DIVISION.

8. Write the general syntax of the SELECT entry for sequential file.

9. Explain the use of REWRITE verb.

10. Explain the general format of a REPORT.   **(10×4=40 Marks)**

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PART – B

Answer **any two** from **each** Module. **Each** question carries **10** marks.

MODULE – I

11. Name and explain the basic functions of data processing.

12. Explain about master files, business files and transaction files.

13. How back up and file recovery procedures are done in data processing ?

MODULE – II

14. Explain in detail how a PERFORM verb works with suitable examples.

15. Write a program which calculates sales statistics based on a sample of the monthly sales of retail outlets. Input consists of logical records containing : store identifier, location code and monthly sales amount. Output consists of a printed report showing a detail line containing the information for each store, followed by a final line which gives the average sales.

16. a) What are the objectives and methodologies of structured programming ?

    b) Explain how SEARCH verb is used to locate elements in table ? And state the rules applied for it.

MODULE – III

17. How merging of files is done in COBOL programming ? Write a program to merge 3 files each having 20 records using MERGE verb.

18. Explain COBOL subroutine in detail. Mention its advantages and disadvantages.

19. a) What are the COBOL features for handling relative files ?

    b) Use a tax table to compute payroll tax and update the employee master file by adding gross pay and tax amount within the employee master record.

(6×10=60 Marks)

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