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**Question Paper Code : 75481**

5 Year M.Sc. DEGREE EXAMINATION, NOVEMBER/DECEMBER 2013.

Second Semester

Software Engineering

ESE 024 — COBOL AND DATA PROCESSING

(Regulation 2010)

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. Brief about the parts of a COBOL program with example.
2. When to use Inspect statement? Explain with examples.
3. Discuss various program statements with example.
4. List down COBOL 85 features and briefly explain.
5. What is Recording Mode clause?
6. Write the format of SORT and MERGE verb.
7. Define Structured programming.
8. What are the parameters to be considered to design a good program?
9. Differentiate Master and Transaction files.
10. What is the format of Report Description Entry?



PART B — (5 × 16 = 80 marks)

11. (a) (i) Explain the various USAGE CLAUSES in COBOL with examples. (10)  
(ii) Brief about synchronized clause. (6)

Or

- (b) (i) Differentiate REDEFINES CLAUSE and RENAMES CLAUSE. (8)  
(ii) Explain the format of String, Unstring and Inspect statement with examples. (8)
12. (a) Write a COBOL program to search Account Number in multi-dimensional table using search verb. (16)

Or

- (b) (i) Explain 'OCCURS DEPENDING' clause with example. (8)  
(ii) Briefly explain about the various types of PERFORM statement with example. (8)
13. (a) Write a COBOL program to create a file with variable length record with OPEN and CLOSE verb. (16)

Or

- (b) Write a COBOL program to SORT & MERGE a file by getting the input from the user. (16)
14. (a) Explain the various types of File organisation with example. (16)

Or

- (b) (i) Briefly explain about the various types of programming. (8)  
(ii) Explain the Data processing cycle in detail. (8)
15. (a) Write a COBOL program to calculate payroll of an employee. (16)

Or

- (b) (i) Write three different formats for Report-Group description. (10)  
(ii) Write short note on LINE, TYPE, COLUMN GROUP CLAUSES with examples. (6)