

**SARDAR PATEL UNIVERSITY**  
**Programme & Subject: B.Sc (Computer Science)**  
**Semester: III**  
**Syllabus with Effect from: June-2012**

<b>Paper Code: US03ECSC03</b>	<b>Total Credit: 2</b>
<b>Title Of Paper: Business Data Processing Through COBOL</b>	

Unit	Description in detail	Weighting (%)
I	<b>Introduction</b> Structured programming concepts Meaning of the terms : record, file Introduction to COBOL, divisions and their uses Data division entries : level structure, picture clause, value clause, editing characters, classes & categories of data, special-names paragraph, usage clause, justified clause	25%
II	<b>COBOL Programming - I</b> Verbs used for arithmetic operations: Add, Subtract, Multiply, Divide, Compute, Add corresponding, Subtract corresponding Data movement verb : Move Input and output verbs Goto, Stop, Open, close, read, write, accept, display Categories of COBOL statements	25%
III	<b>COBOL Programming - II</b> Conditions, If statement, Go To with Depending phrase, Perform statement, Exit statement Redefines, renames, qualification of data, sign clause OCCURS clause and subscripting, assigning values to table elements, multi-dimensional tables PERFORM verb and table handling, SORT verb, MERGE verb, Examine verb, Inspect verb, String and Unstring verbs Cobol subprograms	25%
IV	<b>Introduction to File Organization</b> Introduction to file organization Types of files : Sequential file organization, Random or direct organization, Indexed sequential organization Addition and deletion of records in indexed file Direct addressing File updation	25%

**Basic Text & Reference Books:-**

- Roy. M. K. & Dastidar Ghosh. D. : Cobol Programming, Tata McGraw Hill Publications Comp.. 1982
- Philipakis and Kazmier : Information System through Cobol, 2nd Edition, McGraw Hill Int. Editions
- Cobol Programming with Business Applications By N. L. Sarda, Pitamber Publishing Company
- Schaum's Outline Series : Theory and Problems of Data Processing, McGraw Hill Publication

