

**SARDAR PATEL UNIVERSITY**  
**Programme: BBA (Information Technology Management)**  
**Semester: II**  
**Syllabus with effect from: November/December-2011**

<b>Paper Code: UM02CBBI03</b>	<b>Total Credit:3</b>
<b>Title Of Paper: System Analysis and Design</b>	

<b>Unit</b>	<b>Description in detail</b>	<b>Weighting (%)</b>
I	<b>Introduction to SAD</b> System and Characteristics of System, System Elements and System Concepts, Types of Systems and Integrated system, What is System Analysis?, Systems Analyst-Knowledge and Qualities and Objective, Role of Systems Analyst, Systems Approach and Systems Analysis.	25%
II	<b>System Development Life Cycle</b> Introduction to Various Methodologies of Systems Development, What is SDLC? , Problem Identification, Feasibility Study, System Requirement Analysis, System Design and Implementation, Evaluation of System, Difference between System Analysis and System Design	25 %
III	<b>SSADM and Design Methodologies</b> Need of SSADM and Introduction to SSADM, System Survey and Structured Analysis, Structured Design and Hardware Study, System Implementation, Maintenance Advantages of SSADM, Decision Table and Decision trees, Structured English. Data Dictionary	25 %
IV	<b>Fact-Gathering and DFD</b> Interviews, Questionnaires, Record Inspection and Observation, Data Capture and Data Validation, DFDs and Symbols used, Rules for drawing DFDs, Constructing DFD, Physical and Logical DFDs, Example of system including Physical and Logical DFDs, Practice of DFD.	25 %

**Basic Text & Reference Books:**

System Analysis, Design and Introduction to Software Engineering, Prof. S. ParthaSarathy, Prof. B. W. Khalkar

