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| **S. No.** | **Month** | **Contents** |
| 1 | April | System Concept: Definition, Characteristics, Elements of system, Physical and abstract system, open and closed system, man-made information systems. System Development Life Cycle: Various phases of system development, Considerations for system planning and control for system success. Role of system analyst. System Planning: Bases for planning in system analysis: Dimensions of Planning. Initial Investigation: Determining user’s requirements and analysis, fact finding process and techniques. |
| 2 | May | Tools of structured Analysis: Data Flow diagram, data dictionary, IPO and HIPO charts, Gantt charts, pseudo codes, Flow charts, decision tree, decision tables. Feasibility study: Technical, Operational & Economic Feasibilities.  Cost/Benefit Analysis: Data analysis cost and benefit analysis of a system. Input/ Output and Form Design, File Organization and database design: Introduction to files and database  **REVISION OF SYLLABUS COVERED YET AND ASSIGNMENT 1** |
| 3 | June | File structures and organization, objectives of database design, logical and physical view of data. System testing: Introduction, objectives of testing, test planning, testing techniques.Quality assurance: Goal of quality assurance, levels of quality assurance.  **REVISION OF SYLLABUS COVERED YET AND ASSIGNMENT 2 AND SESSIONAL** |
| 4 | July | System implementation and software maintenance: primary activities in maintenance, reducing maintenance costs.  **Discussion on short questions based on covered chapter Revision of Syllabus** |

**Lesson Plan (Session- 2021-22)**  
**B. C. A. – I, Sem. – II**

**Structured System Analysis and Design**

**Mr. Naresh, Assistant Professor (Computer Sc.)**

**S U S Govt. College Matak Majri, Indri (Karnal)**