

**UNIT I**

**System design specifications and Programming:** Output designs , Input designs ,Procedures ,Information flow , Files and databases , Volumes , Manually used forms, Program specification etc.; Standard tools : System flowcharts, computer run chart, clerical procedure chart, computer procedure chart etc ; IPO and HIPO charts , Decision tables ; File design : types of files, file structure, File organization , choice of storage mediu

**UNIT II**

**System implementation, follow up and maintenance:** Site preparation, Installation of new equipment, User's training, seminars and meetings to gain user support , Use of inputs and procedures , Trial and parallel runs of the system on the computer , Gradual phasing out of the old system

**UNIT III**

**Evaluation of the system:** Development evaluation, Operation Evaluation: response time, ease of use, reliability of computation and adequacy of storage capacity etc.; User Management Assessment evaluation