

SEMESTER- III

COURSE CODE :- **CC7**
COURSE TITLE :- **SYSTEM ANALYSIS AND DESIGN**
CREDIT :- **4**

Marks distribution

Full Marks: 15 (MSE) + 60 (ESE) = 75 Duration: 3 hrs

Pass Marks: 34

This paper consists of 60marksand divided into two groups:

Group-A: Objective questions (Compulsory) : 1 x 10 = 10

Group-B: descriptive questions (5 out of 8 questions) : 10 x 5 = 50

Total = 60

The questions must cover the entire syllabus with equal distribution of marks as far as practicable.

dule 1: System Concept: Definition, Characteristics of a System, Elements of a System, Types of Systems.

Module 2: Introduction of System Development life cycle: Recognition of needs, Feasibility Study, Analysis, Design, Implementation and Maintenance

Module 3: Role of System Analyst, The place of the Analyst in the MIS organization, Fact Finding ,Fact Analysis.

Module 4: Information Gathering Tools: Review of Literature, Procedure and Forms , On-Site Observation, Interview and Questionnaires. Types of Interview and Questionnaires.

Module 5:Tools of Structured Analysis: Data Flow Diagram(DFD), Data Dictionary , Decision Tree and Structured English, Decision Tables.

Module 6:Feasibility Study: Feasibility Considerations, Steps in Feasibility Analysis, Feasibility Report.

Cost and Benefit Analysis: Introduction, Cost and Benefit Categories, Procedures for cost/Benefit Determination.

Module 7:Process of Design: Logical and Physical Design,Structured Design, Structured WalkThrough
Input Design, Output Design , Form Design: Classification of Forms, Requirement of Forms.

Module 8:Testing: Definition,Types of Testing: Unit Testing, Integration Testing ,System Testing

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Books Recommended:

System Analysis and Design: Elias M.Awad

PRACTICAL: LINUX

Basics of Linux Operating system, Commands