13. (a) Develop a set of guidelines to conduct a program walk through. **6**

(b) Briefly discuss cost-benefit analysis with an example **5**

Or

Write short notes on the following :

(a) Software Design and Documentation **4**

(b) Fact-Finding Techniques **4**

(c) Software Reliability. **3**

Subject Code—0104

P.G.D.C.A./M.Sc.(CS) /M.C.A. EXAMINATION

(Batch 2009 Onwards)

(First Semester)

SYSTEM ANALYSIS AND DESIGN

MS-04

(MCA-3 Years)

Time : 3 *Hours* *Maximum Marks :* 70

Section A

Note : Attempt any *Seven* questions. **7×5=35**

1. What is System ? Differentiate between Physical and Abstract System.

2. Compare a data flow model with an Entity Relationship model.

3. What is a form ? Discuss the various types of forms.

4. What do you mean by software maintenance ? Discuss the need of system maintenance.

5. What is structured analysis ? List out the various tools used for structured analysis.

6. What is need of System Analysis ? Explain the role of System analyst.

7. Write short note on Decision Support System.

8. Different between economic feasibility and technical feasibility.

9. Discuss the advantages of preliminary investigation in system analysis and design.

10. Discuss the significance of Data Dictionary in system requirement, specification and analysis.

Section B

Note : Attempt all the questions.

11. What is input and output design ? Explain, why proper form designing is essential for a system ? Briefly, discuss the criteria used for form design.

Or

What are different methodologies of system design ? What do you understand by module coupling and cohesion ?   **12**

12. Explain the various steps of the project review process.

Or

What is MIS ? What are different components of MIS ? Explain different categories of information required to serve the needs of different levels of management in an organization.   **12**