

7. Distinguish between implementation, conversion and system changeover. What are the steps involved in system changeover, maintenance and recovery? Explain.

- IV

8. (a) What are the key issues to design a distributed file system?

(b) What are the advantages and disadvantages of client-server architecture in the distributed computing?

(c) What are the different strategies of security mechanisms for a distributed system?

9. Discuss peer-to-peer architectural model for distributed systems. Identify the main types of security threats that might occur in the Internet with an example.

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**MBA 2 Year 4th Semester
(N.S.) 2011-2013 Examination-
May, 2017**

SYSTEM ANALYSIS AND DESIGN

Paper MBA-414

Time : 3 hours

Max. Marks : 80

Before answering the questions, candidates should ensure that they have been supplied the correct and complete question paper. No complaint in this regard will be entertained after the examination.

Note : Section-A is **compulsory**. Attempt **one** question from each unit in Section B. All questions carry equal marks.

SECTION - A

- (a) What role does a repository play in system analysis?
- (b) Why is training of users necessary over a new system?

- (c) Specify the cost-benefit analysis components of a system.
- (d) Define the term.
- (e) How Case studies assist a design process?
- (f) What is system engineering?
- (g) Specify the objectives of system analysis.
- (h) What is the objective of schedule feasibility?

**SE N - B
- I**

- 2. (a) Discuss the various types of business information systems.
- (b) Who is a Systems Analyst? What is his role in system development? List some basic attributes of a system analyst.
- 3. Why is feasibility study important for the system design? How does the cost benefit analysis contribute to it? Describe various

types of costs and benefits involved in such a study.

UNIT - II

- 4. What is data dictionary? What are the reasons for using data dictionary? Explain the contents of a data dictionary.
- 5. (a) Distinguish between initial investigation and feasibility study. In what way they are related?
- (b) What are the data flow diagrams? How are they different from structure charts?

UNIT - III

- 6. (a) Differentiate between coupling and cohesion.
- (b) Explain the testing phase of SDLC in detail.