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MBAIT-02

(Following Paper ID and Roll No. to be filled in your Answer Book)

PAPER ID : 7128 Roll No.

**M.B.A.**

**(Semester-III) Theory Examination, 2011-12**

**SYSTEM ANALYSIS & DESIGN AND SOFTWARE**

**ENGINEERING**

*Time : 3Hours]*

*[Total Marks : 100*

*Note : Attempt questions from all Sections as per directions.*

**Section-A**

Attempt *all* parts of this question.  $2 \times 10 = 20$

1. (a) Define system.
- (b) Explain decision support system.
- (c) Name the three main components of an ER diagram.
- (d) What is MIS?
- (e) Give any two differences between DFD and Flowchart.

- (f) What is Data Dictionary ?
- (g) Differentiate between testing and debugging.
- (h) List any five factors that affect the quality of a system.
- (i) Explain Cryptography.
- (j) What do you understand by managing risk related to computers ?

### Section-B

Attempt any *three* parts from this question.  $10 \times 3 = 30$

- 2.
- (a) What is the system development life cycle ?  
How does it relate to systems analysis ?
  - (b) What is the difference between operational and MIS planning ? Also explain the steps involved in feasibility study.
  - (c) Explain DFD. Draw a DFD of a system that pays salary to its employees.
  - (d) What fact-finding techniques will be used for investigating the information requirement of a large organization ? Explain it in brief.
  - (e) What is structured analysis ? Briefly review the tools used ? How does it differ from the traditional approach ?

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(2)

**Section-C**

Attempt *all* questions from this section. 10×5=50

3. Explain the various types of systems.

**Or**

What are the various elements of a system ? Show it with a neat diagram.

4. Elaborate on the top-down approach to system planning. What it means, its uses, and its implications for system development ?

**Or**

What planning dimensions determine information system development ? Elaborate.

5. Discuss the pros and cons of the traditional approach to system analysis. Also write in brief about Decision Table.

**Or**

Explain in brief about Object Oriented Analysis and Object Oriented Design.

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(3)

6. What is feasibility analysis ? Explain the different types of feasibility analysis.

**Or**

Define Internet. Give an overview of risks associated with internet ?

7. What do you mean by the term Cryptography ? How are the cryptographic systems deployed to ensure safe electronic commerce ?

**Or**

Explain in detail about virus and its control. What are internet security standards ?

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