

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

PAPER ID : 7128 Roll No.

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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. 2×10=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 ?

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.

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 ?