

Printed Pages : 2

MBAIT02

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

PAPER ID : 7128

Roll No.

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MBA

(SEMESTER-III) THEORY EXAMINATION, 2012-13

SYSTEM ANALYSIS & DESIGN & SOFTWARE ENGINEERING

Time : 3 Hours]

[Total Marks : 100

Note : Attempt all questions

Section – 1

2 × 10 = 20

1. (a) Define Software Engineering.
- (b) Explain transaction processing system.
- (c) How important is formal information system in system analysis ? Explain.
- (d) Distinguish between Open and Closed systems.
- (e) Why is a data base important in MIS ? Explain.
- (f) What is Decision Table ?
- (g) Differentiate between unit testing and integration testing.
- (h) Explain Decision Support System.
- (i) Explain ER diagram.
- (j) How virus affects the system ? Name any two virus.

Section – 2

10 × 3 = 30

Attempt any **three** questions from this section :

2. (a) Why do we test systems ? How important is testing ? A variety of tests are used to test systems, discuss three such tests.
- (b) How object oriented approach helps in modern day system design approach ? Describe the main features of Object Oriented Analysis and design approach.
- (c) What is encryption ? How does it work ? What type or level of system would incorporate this technology ? Illustrate.
- (d) Discuss risks associated with Internet. How can we create a secured system ?

- (e) Write short notes on :
 - (i) Steps in Feasibility Analysis
 - (ii) Disaster Recovery Plan
 - (iii) Internet Security Standards

Section -3

Attempt **all** the questions from this section :

10 × 5 = 50

3. (a) Explain the various characteristics of systems.

OR

Define system. What are the various types of system ? Explain.

- (b) What is SDLC ? How would an analysis determine the user's needs for a system ? Explain.

OR

Explain the multifaceted role of the system analyst.

- (c) What planning dimensions determine information system development ? Elaborate.

OR

Describe the concept and procedure used in constructing DFDs. Use an example of your own to illustrate.

- (d) What advantages does a data dictionary offer in the area of documentation ?

OR

Distinguish between the following :

- (i) HIPO and IPO
 - (ii) Coupling and Cohesion
- (e) Distinguish between initial investigation and feasibility study. In what way they are related ?

OR

Differentiate between logical and physical design. Give characteristics of a good design.
