

MCA (Revised)

Term-End Examination

December, 2009

10034

MCS-014 : SYSTEM ANALYSIS AND
DESIGN

Time : 3 hours

Maximum Marks : 100

(Weightage: 75%)

Note : Question No.1 is compulsory. Answer any three questions from the rest.

1. (a) Give characteristics of a SRS. Develop a SRS for a store management system. 10
- (b) Give levels and components of MIS. Who are the key persons at all the levels of MIS ? Explain their responsibilities. 10
- (c) List atleast 6 attributes of a good system analyst. Explain the phase of software maintenance in a SDLC. 10
- (d) Explain database design. Also differentiate between hierarchial and network model. 10
2. (a) Differentiate between coupling and cohesion. 5
- (b) Give steps in a form design. Explain atleast 5 common GUI controls for inputs. 8
- (c) Categorise and differentiate between various types of object oriented CASE tools. 7

3. (a) What are the security issues in a computer system ? How does an organisation prevent its database from security concerns ? Illustrate with an example. 7
- (b) Draw ERD for a student information system for a college. Explain the concept of cardinality through it. 7
- (c) What do you mean by internal information, external information and turnaround document ? 6
4. (a) What role does an end user play in the system development ? Give examples of SDLC models to support the answer. 6
- (b) Categorise system documentation. Give few examples of documentation. 4
- (c) What activities are performed during Design phase ? Explain them. 10
5. Write short notes on the following with example of each. 5x4=20
- (a) CASE Tools
- (b) Objectives of SDLC
- (c) Prototype
- (d) Modularity

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