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

PAPER ID : 7128 Roll No. | | | | | | | | | | |

M.B.A.

(SEM. III) ODD SEMESTER THEORY EXAMINATION 2010-11

SYSTEM ANALYSIS & DESIGN & SOFTWARE ENGINEERING

Time : 3 Hours *Total Marks : 100*

Note :— (1) Attempt **all** questions.

(2) All questions carry equal marks.

(3) Be precise in your answer.

1. Attempt any **four** parts of the following :— **(5×4=20)**

(a) What are the elements of a system ? Can you have a viable system without feedback ? Explain.

(b) How important is the informal information system in system analysis ? Explain.

(c) Discuss the concepts of Management Information System (MIS) and Decision Support System (DSS). How are they related ? How do they differ ?

(d) What is the System Development Life Cycle (SDLC) ? How does it relate to system analysis ?

(e) How would an analysis determine the user's needs for a system ? Explain.

(f) Distinguish between initial investigation and feasibility study. In what way they are related ?

2. Attempt any **two** parts of the following :— **(10×2=20)**

(a) What is the difference between analysis and design ? Can one begin to design without analysis ? Why ?

(b) What activities make up system design ? How does system design simplify implementation ?

(c) When does an analyst terminate a project ? How does it tie in with post implementation ? Explain.

3. Attempt any **two** parts of the following :— **(10×2=20)**

(a) Elaborate the technical and interpersonal skills required of systems analyst. When is one skill favored over the other ? Why ?

(b) Explain and illustrate situations where the multifaceted role of the system analyst might be applied in the System Development Life Cycle ?

(c) What is meant by the analyst/user interface ? Why is it a problem ?

4. Attempt any **two** parts of the following :— **(10×2=20)**

(a) What is structured analysis ? Discuss the tools used in structured analysis. How does it differ from the traditional approach ?

(b) What steps make up the System Development Life Cycle with structured analysis ? Discuss each step with the help of examples.

(c) Describe the concept and procedure uses in constructing DFDs. Use an example of your own to explain.

5. Attempt any **two** parts of the following :— **(10×2=20)**

(a) How can we create a secured system in today's fast changing technological advancements ?

(b) Classify different types of hackers on the basis of their activities ?

(c) Differentiate between symmetric encryption and asymmetric encryption with the help of examples.