



RN-6841

B. E. - III (Sem. V) (I.T.) Examination

May / June - 2010

System Analysis & Design

Time : 3 Hours]

[Total Marks : 100

Instructions :

(1)

नीचे दृष्टावेव निशानीवाणी विगतो उत्तरवडी पर अवश्य लखवी.
Fillup strictly the details of signs on your answer book.

Name of the Examination :
B. E. 3 (Sem. 5) (I.T.)

Name of the Subject :
System Analysis & Design

Subject Code No. : 6 8 4 1 Section No. (1, 2,.....): 1&2

Seat No. :

Student's Signature

- (2) Answer to each section must be written in **separate** answer book.
- (3) Figures to the extreme right indicate maximum marks.
- (4) Be brief in answering. Support your answering with block diagram wherever possible.

SECTION - I

- 1 Find True/False from the following statements and justify 20 if it is false :
- Management Information Systems (MIS) assist managers in decision making and problem solving.
 - Users means managers and employees in business.
 - Analysis specifies how to accomplish the objective.
 - Decision Support System does not support, but replaces manager judgement.
 - Transaction processing systems provide speed and accuracy.
 - Data flow diagrams (DFD) show the flow of data into the system and between processes and data stores.
 - System Development consists of two major components : System Analysis and System Design.

- (viii) The accumulation of information is called a system study.
- (ix) Design stages what the system should do?
- (x) System Analysts do more than solve current problems.
- 2 (a) What comes first? Analysis or Design of a system. 8
Justify your answer.
- (b) Enlist and explain the reasons for initiating information system projects. 7
- OR**
- 2 (a) Validate the statement : "Reliable Computer Information Systems are a strategic weapon that can change the way a firm competes". 8
- (b) Write a note on Classical Systems Development Life Cycle (SDLC) 7
- 3 Write short notes : (any **three**) 15
- (a) Fact-finding techniques for collection of data.
- (b) Tools for System Development
- (c) Decision Tree
- (d) Scope of Information Systems
- (e) Work of System Analyst

SECTION - II

- 4 Find True/False from the following statements and justify if it is false : 20
- (i) Determining system requirement requires analysis of the facts in hand.
- (ii) Conversion is the process of changing from the new system to the old one.
- (iii) An interface is the uncommon boundary between the user and the computer system application.
- (iv) A system is said to have reliability if it does not produce dangerous or costly failures when it is used in a reasonable manner.
- (v) Control generally means "Keeping things on track".
- (vi) System Analysis is about understanding situations, not solving problems.

- (vii) No design is complete without the design book.
 - (viii) The essence of systems design is the selection and specification of the features of an information system.
 - (ix) The arrangement of information on a display or printed document is termed as a layout.
 - (x) A tool is any device, object, or operation used to accomplish a specific task..
- 5** (a) Define Coding. Enlist and explain different Coding Methods. **8**
- (b) What is meant by the term Output? State the objectives, types of output. **7**
- OR**
- 5** (a) Elaborate the Objectives in designing an Informaton System. **8**
- (b) Explain Computer-Assisted Systems Engineering tool (CASE) **7**
- 6** Write notes on : (any **three**) **15**
- (a) Quality Assurance and its levels
 - (b) Warnier/Orr Diagrams
 - (c) Hierarchical Input Process Output
 - (d) Interface - Purpose and characteristics
 - (e) System Testing.
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