

Roll No.

Total No. of Pages : 02

Total No. of Questions : 15

MBA (2015 to 2017) (Sem.-4)
SYSTEM ANALYSIS AND DESIGN

Subject Code : MBA-988

M.Code : 71402

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTION TO CANDIDATES :

1. SECTION-A contains SIX questions carrying FIVE marks each and students has to attempt any FOUR questions.
2. SECTION-B consists of FOUR Subsections : Units-I, II, III & IV. Each Subsection contains TWO questions each carrying EIGHT marks each and student has to attempt any ONE question from each Subsection.
3. SECTION-C is COMPULSORY and consist of ONE Case Study carrying EIGHT marks.

SECTION-A

1. Define System and its principles. What are the various constraints of system development environment?
2. Explain prototyping method of system development. What are its demerits for system development?
3. How Structured English helps in system design in comparison to decision tree? Explain.
4. What are the criteria to evaluate performance of a system? What is system validation?
5. Discuss importance of preliminary study of existing system. What are various types of feasibility study?
6. What are the various steps and activities involved in system planning?

SECTION-B**UNIT-I**

7. What is the role and need of system analyst? Discuss about qualifications and responsibilities of a system analyst.
8. What do you understand by Prototype of the system? Explain. How it is different from the structured system analysis and design?

UNIT-II

9. What are the different methods of information gathering for a system? Explain in detail.
10. Elaborate the working and need of top-down and bottom-up approach for system design with suitable example. Where do structure charts help in design?

UNIT-III

11. Discuss system design in detail. What do you understand by decision tables for system design? Give an example.
12. What is the difference in presenting system design through data flow diagrams versus entity relationship diagrams? Explain. Elaborate a case that needs decision tree to represent system design.

UNIT-IV

13. Define System Conversion. What are the methodologies of system conversion? Explain.
14. Discuss different types of system testing? Elaborate user acceptance testing.

SECTION-C

15. A business system for Premier Consulting, Inc. titled “Automated Project Management and Scheduling”, will 1) create and track projects, 2) assign teams to projects, 3) assign tasks to teams, 4) assign the most qualified team members to the teams, and 5) address project costing. The new automated system is destined to replace the current, manual, error-prone process. The automation of this activity has been welcomed by management for quite some time with the anticipation of significantly reducing the company's expenses. It is hoped that this reduction will be accomplished by 1) creating more successful teams working with greater precision, 2) completing projects on time and within budget due to a better understanding of system requirements and tasks to be completed, and 3) starting projects on time as a result of the automated project scheduling system.

Questions :

- (a) In light of above discuss, the system design requirements.
- (b) What can be the different sources of information gathering in the above case?
- (c) What are the factors involved in cost benefit analysis of above approach?

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.