

# Re-appear-209

Roll No. ....

Subject Code—2049-X

**P.G.D.C.A. EXAMINATION**

(First Semester)

(Re-appear)

(Common With PGDCA-II)

MS-04

**SYSTEM ANALYSIS & DESIGN**

*Time : 3 Hours*

*Maximum Marks : 100*

**Note :** Attempt any *Five* questions.

1. (a) What elements of controls are important in systems ? Can you have a viable system without feedback ? Explain. 15  
(b) List out *five* characteristics of a good SRS document. 5
2. (a) What do you mean by fact finding ? What are the main advantages of questionnaire technique as a fact finding ? Explain. 10

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- (b) Describe the criteria for software purchase, selection from vendor briefly. 10
3. (a) How would you ensure quality in designing in a system ? Explain. 10
- (b) How does the purpose of decision tree differ from decision table ? What components make up a decision table ? 10
4. (a) Draw and describe one level DFD and two level DFD of library of your college/ institute. 15
- (b) Differentiate between top-down and bottom-up techniques. 5
5. (a) What is meant by project ? Describe the various activities of project management. 10
- (b) What are the design principles and design objectives ? Explain briefly. 10

6. (a) Define the term maintenance. What are the various categories of maintenance ? Explain briefly. 10
- (b) What is meant by project ? Describe the various activities of project management. 10
7. (a) What is meant by Test Plan ? Why do we require test plan ? What are the various activities involved with test plan ? Explain briefly. 15
- (b) Differentiate between top-down and bottom-up techniques. 5
8. Write short notes on the following :
- (a) Audit, Walkthrough and review
- (b) SQA techniques
- (c) System Modularity
- (d) System Reliability. 5×4=20