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**SARDAR PATEL UNIVERSITY**  
**FIRST YEAR (2<sup>ND</sup> SEMESTER - CBCS) BBA(ITM) EXAMINATION**  
**UM02CBB105/II-SYSTEM ANALYSIS & DESIGN**

Date : Tuesday, 26<sup>th</sup> April 2011  
 Time : 4 To 6 PM

No of Pages: 02  
 Max. Marks : 60

- Q.1 [A]** 1. The maximum no of interfaces in a system is  $n(n-1)/2$  for having  $n$  subsystems. – True/False [05]  
 2. \_\_\_\_\_ unifies and integrates the activities of the components.  
 3. \_\_\_\_\_ is the activity that makes possible the transformation of input to output.  
 4. System Analysis is the brain for \_\_\_\_\_.  
 5. System analyst job does not consist of Gathering Facts about existing Information System. – True/False

- [B]** List and describe different CONCEPTS of the system. [05]  
**[C]** Explain Different type of System. [05]

**OR**

- Q.1 [A]** 1. The \_\_\_\_\_ exists at lowest level. [05]  
 2. The relationship exists among the components and defines the boundary between a system and its environment is called as \_\_\_\_\_.  
 3. The interconnection and interactions between the subsystems are termed as interfaces.– True/False  
 4. There are \_\_\_\_\_ and negative feedbacks.  
 5. To carry out his duty, an analyst should know \_\_\_\_\_ and computing.

- [B]** What do you mean by System Analyst? Explain Different role of System analyst [05]  
**[C]** What is System? Explain different elements of system. [05]

- Q.2 [A]** 1. SDLC stands for \_\_\_\_\_. [05]  
 2. First three stages of SDLC are known as \_\_\_\_\_.  
 3. Problem can come to notice by internal and external environments.– True/False  
 4. Feasibility study need to \_\_\_\_\_ existing system.  
 5. System Analysis is \_\_\_\_\_ of problem.

- [B]** Discuss about various Methodology for System Development. [02]  
**[C]** What is SDLC? Explain System Design Specification & Programming. [08]

**OR**

- Q.2 [A]** 1. CASE stands for \_\_\_\_\_. [05]  
 2. Last three stages of SDLC are known as \_\_\_\_\_.  
 3. Problem of Reliability means reports contains misleading information.– True/False  
 4.  $ROI = (\text{Net Earnings} / \text{_____})$ .  
 5. System Design is \_\_\_\_\_ of problem.

**Q.2 [B]** Give the difference between System Analysis & System Design **[02]**

**[C]** What is SDLC? Explain Problem Identification in Detail. **[08]**

**Q.3 [A]** 1. System Survey is similar to \_\_\_\_\_ in SDLC. **[05]**

2. SSADM stands for \_\_\_\_\_.

3. Cost consist of One-time Cost & Recurring Cost.– True/False

4. There are \_\_\_\_\_ type of walkthrough.

5. \_\_\_\_\_ maintenance rectifies bugs/errors.

**[B]** What is SSADM? What is the need of SSADM? **[05]**

**[C]** Discuss "Structure Analysis" **[05]**

**OR**

**Q.3 [A]** 1. Structure Analysis uses only DFD's to represent the system.– True/False **[05]**

2. Structure Design is \_\_\_\_\_ based methodology.

3. \_\_\_\_\_ is last stage in system life cycle.

4. \_\_\_\_\_ maintenance done continuously to perfect the system.

5. Standardization & Modularization are advantage of SSADM.– True/False

**[B]** What is SSADM? What are the advantages of SSADM? **[05]**

**[B]** Discuss "Structure Design" **[05]**

**Q.4 [A]** 1. \_\_\_\_\_ checks are applied on various fields of file. **[05]**

2. The DFD that show "what is going on" is known as \_\_\_\_\_.

3. \_\_\_\_\_ may be used as supplement of Interview.

4. Written policy manuals are not part of Record Review.– True/False

5. Questionnaires are also useful for gathering \_\_\_\_\_ data.

**[B]** What is Data Capture? Explain the basic steps for Data Capture. **[05]**

**[C]** Draw different level DFD for "Payroll System" **[05]**

**OR**

**Q.4 [A]** 1. Input design consist of \_\_\_\_\_ and Data Validation. **[05]**

2. DFD stands for \_\_\_\_\_.

3. \_\_\_\_\_ is used to collect information from individuals or groups.

4. Observation can look for interruption in normal procedure.– True/False

5. \_\_\_\_\_ questionnaires are having fix response.

**[B]** What is Questionnaires? Explain **[05]**

**[C]** Draw different level DFD for "Railway Reservation System" **[05]**

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