

**DIPLOMA - VIEP - COMPUTER SCIENCE AND
ENGINEERING (DCSVI)**

00161

Term-End Examination

June, 2014

BICS-032 : SYSTEM ANALYSIS AND DESIGN

Time : 2 hours

Maximum Marks : 70

*Note : Attempt any **five** questions. Question no. 1 is compulsory. All questions carry equal marks.*

1. Choose the correct answer.

7×2=14

- (a) Documentation is prepared
- (i) At every stage
 - (ii) At System Design
 - (iii) At System Analysis
 - (iv) None of the above
- (b) Which one of the following is System Implementation Phase ?
- (i) Pilot Run
 - (ii) System check-out
 - (iii) Parallel run
 - (iv) All of the above

- (c) Problem Analysis is done during
 - (i) System design phase
 - (ii) System analysis phase
 - (iii) before System test
 - (iv) None of the above
 - (d) System design is also called Logical design.
(True/False)
 - (e) Modern structured design, Information engineering and Object-oriented design are examples of Model-driven Approaches.
(True/False)
 - (f) Generally organizations are served by a single and unique Information system.
(True/False)
 - (g) The primary tool of Information engineering is the Data Model Diagram.
(True/False)
2. (a) What do you mean by system ? What are the characteristics of system ? 7
 - (b) How is problem finding related to problem solving ? Explain with suitable example. 7
 3. (a) What do you mean by Cause and Effect analysis ? Explain with example. 7
 - (b) Discuss the role of System analysis and design in the development of a system. 7
 4. (a) Explain all the major types of documentation. 7
 - (b) Explain all the inter-related types of Feasibility studies. 7

5. What are the different rules used while constructing the DFD ? Draw a DFD for Cheque Encashment. 4+10=14
6. (a) What kind of fact finding techniques would you use for deciding the design of a new application ? 7
- (b) Describe the importance and characteristics of good documentation in system development process. 7
7. (a) Describe system testing in detail. Describe different types of system testing. 7
- (b) What are various organizational issues in System Implementation ? 7
8. Write short notes on any *four* of the following : 3·5×4=14
- (a) Conceptual Data Modelling
 - (b) Dynamic Modelling
 - (c) Object Model
 - (d) Rapid Application Development
 - (e) Elements of System
 - (f) Conducting System Maintenance