

Roll No. ....

**57552**

**BBA 6<sup>th</sup> Semester (N.S.) 2014-17**

**Examination – July, 2021**

**SYSTEM ANALYSIS AND DESIGN**

**Paper : BBAN-602**

***Time : Three hours ]***

***[ Maximum Marks : 80***

*Before answering the questions, candidates should ensure that they have been supplied the correct and complete question paper. No complaint in this regard, will be entertained after examination.*

**Note :** Question 1 is *compulsory* from section A, attempt any *four* questions from Section B, Selecting at least *one* question from each unit. all questions carry equal marks.

**SECTION – A**

1. (a) Components of System.
- (b) What is Decision tree ?
- (c) What is meant by Open-ended interview questions ?
- (d) Need of feasibility study.
- (e) Importance of ER data Model

- (f) What are different methods of information gathering?
- (g) Major advantages of Distributed database
- (h) Data Replication

**SECTION - B**

**UNIT - I**

- 2. (a) What is System ? What are the characteristics and types of System ?
- (b) Discuss the role of System Analyst in System Analysis and Design.
- 3. Explain System development Life cycle (SDLC) in details. How cost benefit analysis play an important role in SDLC ?

**UNIT - II**

- 4. Explain various type of feasibility studies that the Analyst should consider. Explain the cost benefit analysis with an example.
- 5. Write short notes on :
  - (a) System Requirement Specification
  - (b) Data Dictionaries

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**UNIT - III**

- 6. What is Data dictionary ? What are the reasons for using Data dictionary ? Explain the content of data dictionary ?
- 7. (a) Distinguish between initial investigation and feasibility study. In what way they are related.
- (b) What are data flow diagrams ? How they are different from structure charts ?

**UNIT - IV**

- 8. (a) What are the key issue to design distributed file system.
- (b) What are the advantages and disadvantages of Client-server architecture in the distributed computing ?
- (c) What are the different strategies of security mechanism for distributed system ?
- 9. What is Distributed database System ? Explain its architecture and type of architecture with diagram.

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