

Roll No.

57552

**BBA 6th Semester (N.S.) 2014-17
Examination – November, 2018**

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 : All questions of Section 'A' are *compulsory*. Attempt any *four* questions from Section 'B' selecting at least *one* question from each Unit.

SECTION – A

1. Explain the following in brief :
 - (a) Types of information system
 - (b) Participatory design.
 - (c) Time value of money.
 - (d) Report design.

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- (e) Structure chart.
- (f) Logic modeling.
- (g) State transition diagram
- (h) Properties of distributed database.

SECTION – B

UNIT – I

2. What are various objectives of system analysis ? What considerations warrant analysing a system ?
3. Explain the management skills needed by system analysts. Which communication skills are important for analysts ?

UNIT – II

4. What is data flow diagram ? Why do system analysts use data flow diagram ? Explain the rules for drawing good data flow diagram.
5. Write note on :
 - (a) I-Q design.
 - (b) Equipment specification and selection.

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UNIT – III

6. What are the steps in creating a decision table ? How do you reduce the size and complexities of a decision table ?
7. Assume that you are given the following detail of a small mail order catalogue system that allows people to shop from home: When a customer receives the catalogue and wants to buy something, he can telephone, fax or email his order to the company. The company gets the order and sends the goods and an invoice. When the customer receives the goods with a delivery note, he sends payment and receives a receipt for payment. Draw the context diagram and data flow diagrams up to level 2 to analyze the requirements of this system. Also, give the data dictionary.

UNIT – IV

8. Discuss the benefits and limitations of client/server architecture of the DDBS.
9. What is data replication ? Why is data replication useful in DDBMs ? What typical units of data replicated ?