

Roll No.

OLE-57552

**BBA 6th Semester (N.S.) 2014-17
Examination – April, 2021**

SYSTEM ANALYSIS & 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 : Attempt *five* questions in all, selecting *one* question from each Units. Question No. **1** is *compulsory*. All questions carry equal marks.

1. Write short notes on the following :

- (i) SDLC
- (ii) Operational Feasibility
- (iii) Data Dictionary
- (iv) Decision tree
- (v) State transition diagrams
- (vi) Structure chart

(vii) I-O Design

(viii) Case tool

UNIT – I

2. Show the following relationship in E-R model with suitable examples :
 - (a) One to One
 - (b) One to Many
 - (c) Many to Many
3. Describe the concept of System. Why this concept is so important in organisation and Information system ? Explain.

UNIT – II

4. Assume that you are Incharge of designing software to be installed in the Bank ATM. What kind of application design and architecture you will recommend ? Justify your answer and draw architecture diagram of the system.
5. What design consideration you will recommend for library management system.

UNIT – III

6. Draw a logical design for distributed database for COVID vaccination system.
7. Your organization is planning to implement new system for railway ticket booking from next month. What steps you need to consider while implementing new system. Explain in detail

UNIT – IV

8. How will create the distributed database for specialty hospital chain ?
 9. How real time analysis help business manager in effective decision making ? Discuss tools of real time analysis.
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