

Roll No. :

Total No. of Questions : 9] [Total No. of Pages : 3

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**B.B.A. (II) 3rd Semester
Examination, March-2021
(New Scheme 2014-17)**

SYSTEM ANALYSIS & DESIGN

Paper-BBA-II-N-303

Time : Three Hours] [Maximum Marks : 50

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 all five parts of the question in Section-A. Attempt four questions selecting one question from each Unit in Section-B. All questions carry equal marks.

Section-A

1. Explain in brief the following :
 - (a) Structured design

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(1)

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- (b) Case tools
- (c) Sources of project reviews
- (d) System documentation
- (e) Operating system

Section-B

Unit-I

2. What is system development life-cycle ? Explain the various phases of system development life-cycle with the help of a diagram.
3. What is E-R Data Model ? Illustrate the one-to-one, one-to-many, and many-to-many relationships between entity sets with the help of suitable examples.

Unit-II

4. What is project review ? How does it help in improving the quality of a project ? Explain through an example.
5. Why do we need to conduct feasibility study ? Explain economic, technical and operational considerations in a feasibility analysis.

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Unit-III

6. Write notes on the following :
 - (i) Unit and integration testing
 - (ii) System recovery plans
7. State the meaning and objectives of system control. What are internal and external controls? Also briefly describe the concept of audit trail.

Unit-IV

8. Propose a performance and acceptance criteria that may be used to decide on the best software prior to acquisition by a company.
9. (a) What is the process of estimating the personnel required for a newly designed system ?

(b) What are the considerations in selecting best vendor for purchasing computer hardware in an organization ?