

Roll No.

Total Pages : 4

BCA-304

B.C.A. (Third Year) Examination, 2019

SYSTEMS ANALYSIS AND DESIGN

Paper-IV

Time Allowed : Three Hours

Maximum Marks : 100

PART-A

[Marks : 20]

Answer all questions (50 words each).

All questions carry equal marks.

PART-B

[Marks : 50]

Answer five questions (250 words each), selecting one question from each Unit. All questions carry equal marks.

PART-C

[Marks : 30]

Answer any two questions (300 words each).

All questions carry equal marks.

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P. T. O.

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PART-A

1. Answer the following questions :

- (i) Define the System.
- (ii) What is System Analysis ?
- (iii) List different types of Documents to be prepared during Documentation.
- (iv) What are the various phases of SDLC ?
- (v) Define Data Dictionary.
- (vi) What is Feasibility Study ?
- (vii) Differentiate between Validation and Verification.
- (viii) What is Quality Assurance ?
- (ix) What are Threats ?
- (x) What are System Development Ethics ?

PART-B

UNIT-I

2. What are the various elements of a System ?

3. Differentiate between Open and Closed system.

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UNIT-II

4. Explain Waterfall Model.
5. What are the duties of System Analyst ?

UNIT-III

6. Discuss the methods of Fact finding.
7. Discuss various File Organization techniques in brief.

UNIT-IV

8. What is System implementation ? Discuss various methods used for System implementation.
9. Discuss the criteria of Hardware and Software Selection.

UNIT-V

10. Discuss various System Recovery tools.
11. What is Disaster Recovery Management ?

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PART-C

12. Explain the different of System.
13. Explain various phases of SDLC.
14. Write short notes on the following :
 - (a) DFD
 - (b) Decision Tables.
15. What is Testing ? Explain various Testing techniques.
16. Discuss various factors affecting System Security.