

E 3754



Reg. No.....

Name.....

B.C.A. DEGREE (C.B.C.S.S.) EXAMINATION, NOVEMBER 2022

Fourth Semester

Core Course—SYSTEM ANALYSIS AND DESIGN

(2013—2016 Admissions)

Time : Three Hours

Maximum Marks : 80

Part A

Answer all questions.

Each question carries 1 mark.

1. What are the roles performed by a system analyst ?
2. What are the major phases of SDLC ?
3. What is a baseline specification ?
4. What is management review ?
5. What is a code plan ?
6. What is a decision table ?
7. What is direct cut over ?
8. What is a data dictionary ?
9. What is system design ?
10. Expand PERT.

(10 × 1 = 10)

Part B

Answer any eight questions.

Each question carries 2 marks.

11. What are 3 types of feasibility ?
12. What are forms ?
13. What is an information-oriented flowchart ?

Turn over





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14. Describe a simple algorithm in structured English.
15. How do you represent a data store in DFD ?
16. What are the different types of questionnaires for fact-finding ?
17. What is a focus group ?
18. What is the purpose of a walk through ?
19. What is the use of a system flow chart ?
20. With a use-case demonstrate the use of decision tree.
21. What is the output of study phase activities ?
22. What is a changeover plan ?

(8 × 2 = 16)

Part C

*Answer any **six** questions.
Each question carries 4 marks.*

23. Explain the objective and components of organization chart in detail.
24. Explain process-oriented flowcharts in detail.
25. Explain HIPO chart in detail with examples and illustrations.
26. Explain the various methods used for fact finding.
27. Explain in detail various types of codes.
28. Explain the concept of DFD along with its components using an example and illustrations.
29. What are the steps in raising an information service request ?
30. Explain training programs required for end-users, operators and programmers.
31. Explain design phase report in detail.

(6 × 4 = 24)





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Part D

*Answer any **two** questions.*

Each question carries 15 marks.

32. Describe the construction, components and different types of forms. What are the various principles of form design.
33. Explain various phases in the SDLC in detail with all its milestones and outcomes.
34. Explain in detail the various fact analysis techniques and methods.
35. In detail describe the various sections and components of :
 - a) Study Phase report.
 - b) Development Phase report.

(2 × 15 = 30)

