

**E 6455**



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Reg. No.....

Name.....

**B.C.A. DEGREE (C.B.C.S.S.) EXAMINATION, MAY 2024**

**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 is a business information system ?
2. What is a base line specification ?
3. What is a code dictionary ?
4. What is a decision tree ?
5. What is the use of structured English ?
6. What is direct cut over ?
7. What is a data dictionary ?
8. What are three types of feasibility ?
9. What is structured design ?
10. What is PERT ?

(10 × 1 = 10)

**Part B**

*Answer any eight questions.  
Each question carries 2 marks.*

11. What are the phase of the SDLC ?
12. What are the roles performed by a system analyst ?
13. What is management review ?
14. What are the basic types of charts ?
15. What is a process-oriented flowchart ?
16. What are the difference between a logical and physical DFD ?

**Turn over**





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17. What is the use of a decision table ?
18. What are the different types of questionnaires for fact finding ?
19. What is a focus group ?
20. What is the purpose of an inspection ?
21. What is an information service request ?
22. What is a changeover plan ?

(8 × 2 = 16)

### Part C

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

23. Briefly, explain information oriented flowcharts in detail.
24. Briefly, explain HIPO chart in detail with examples and illustrations.
25. Draw and explain the DFD of a basic library management system.
26. Briefly, explain the various techniques used for fact finding.
27. Briefly, explain in detail various types of codes.
28. Briefly, explain the steps in feasibility analysis.
29. Explain training programs required for end-users, operators and programmers.
30. Briefly, explain study phase report in detail.

(6 × 4 = 24)

### Part D

*Answer any **two** questions.  
Each question carries 15 marks.*

31. Describe the construction, components and different types of forms. What are the various principles of form design ?
32. In detail describe the :
  - (a) Study phase activities.
  - (b) Design phase report.
33. Explain in detail the various fact analysis techniques and methods.
34. In detail describe the various sections and components of :
  - (a) Design phase activities.
  - (b) Development phase report.

(2 × 15 = 30)

