

A-807

Total Pages : 3

Roll No.

BCA-12

Bachelor of Computer Application (BCA)

(System Analysis and Design)

4th Semester Examination, 2024 (June)

Time : 2:00 Hrs.

Max. Marks : 70

Note :- This paper is of Seventy (70) marks divided into Two (02) Sections ‘A’ and ‘B’. Attempt the questions contained in these Sections according to the detailed instructions given therein. *Candidates should limit their answers to the questions on the given answer sheet. No additional (B) answer sheet will be issued.*

Section–A

(Long Answer Type Questions) 2×19=38

Note :- Section ‘A’ contains Five (05) Long-answer type questions of Nineteen (19) marks each. Learners are required to answer any *two* (02) questions only.

1. What is a System ? Explain about the Physical and Abstract system in detail.
2. Define Information System. Explain in detail about the MIS and DSS.
3. Explain the needs of system planning and Information gathering.
4. Define feasibility study. Explain in detail about the importance of feasibility study.
5. Define DFD. Explain in detail about the decision trees and decision tables.

Section–B

(Short Answer Type Questions) 4×8=32

Note :- Section ‘B’ contains Eight (08) Short-answer type questions of Eight (08) marks each. Learners are required to answer any *four* (04) questions only.

1. Describe the role and tasks of system analyst.
2. Explain the purpose of information gathering tools.
3. What is SDLC ? How does it relate to system analysis ?
4. What levels of quality assurance must a system meet ? Explain.
5. Explain in detail about the Coupling and Cohesion.

6. Explain the need of system testing in system implementation.
7. Explain the difference between decision tree and decision tables.
8. Write short notes on :
 - (a) Man-made systems
 - (b) Group communication
 - (c) Structured design
 - (d) Security threats
