

Roll No.

(05/25)

14315

B.C.A. EXAMINATION

(For Batch 2021 to 2023 Only)

(Second Semester)

SYSTEM ANALYSIS AND DESIGN

BCA-25

Time : Three Hours

Maximum Marks : 80

Note : Attempt *Five* questions in all, selecting *one* question from each Unit. Q. No. 1 is compulsory. All questions carry equal marks.

1. Define the following:

4×4=16

- (i) System Analyst
- (ii) Pseudocode
- (iii) File Organization
- (iv) Testing.

Unit I

2. What do you understand by a system ? Explain the difference between manual and automated system. Illustrate with example. 16
3. Define and explain system development life-cycle with suitable example. 16

Unit II

4. Compare the properties of logical design, physical design and top-down design with suitable example. 16
5. What do you mean by DFD ? Discuss the process of a system design. 16

Unit III

6. What is Database Design ? Discuss various objectives of Database Design. Illustrate. 16
7. What are the various elements of design ? Explain the role of DBA. 16

Unit IV

8. What is system testing ? Explain the need of system testing with suitable example. 16
9. Describe the various types of maintenance and its role in system testing and implementation. 16

