

BCA II<sup>nd</sup> Year

Total No. of Pages : 4

**BCA205**

BCA SECOND YEAR EXAMINATION, 2023

**SYSTEM ANALYSIS AND DESIGN**

**( Paper - V )**

*Time Allowed : Three Hours*

*Maximum Marks : 100*

**PART-A**

**[Marks : 20]**

**Note:** Answer all questions (50 words each). All questions carry equal marks.

**PART-B**

**[Marks : 50]**

**Note:** Answer five questions (250 words each). Selecting one from each unit. All questions carry equal marks.

**PART-C**

**[Marks : 30]**

**Note:** Answer any two questions (300 words each). All questions carry equal marks.

**PART-A**

1. Answer the following questions :

(i) Define System.

BCA205

(1)

P.T.O.

- (ii) Define Black Box System.
- (iii) What do you mean by Linear Approach in System Development ?
- (iv) What is Prototype in SDLC ?
- (v) What is IPO chart ?
- (vi) What is a Logical view of Data ?
- (vii) What is Quality Assurance ?
- (viii) What do you mean by System Testing ?
- (ix) Define System Security.
- (x) What do you mean by System Recovery ?

## **PART-B**

### **UNIT-I**

2. What is Subsystem in System Analysis and Design ?

**OR**

3. Explain the types and behaviour of the System.

### **UNIT-II**

4. Explain the role of System Analyst.

OR

5. Explain the different approaches of System Development.

**UNIT-III**

6. Explain various Information Gathering Methods.

OR

7. Describe the Sequential File Organisation.

**UNIT-IV**

8. Write short note on Audit Trail.

OR

9. Explain the Post Implementation Review.

**UNIT-V**

10. Explain the procedure for Hardware/Software selection.

OR

11. Explain the major Threats to System Security.

**PART-C**

12. Briefly describe the basic elements of the system.

- ~~13.~~ Explain the different phases of SDLC.
14. Write a note on Decision table and Data dictionary.
- ~~15.~~ Explain the System Testing Process.
16. Explain the System Development Ethical Theories.

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