

Roll No. : .....

Total No. of Pages : 3

## **BCA-205**

**B.C.A. (IInd Year) Examination, 2021**  
**SYSTEM ANALYSIS AND DESIGN**  
**Paper-V**

*Time Allowed : 1½ Hours*

*Maximum Marks : 100*

**Part-A** [Marks : 30]

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

**Part-B** [Marks : 70]

**Note :-** Answer any two questions (250 words each). All questions carry equal marks.

**Part-A**

1. Answer the following questions :

(i) Define System.

(ii) What is Black box system ?

BCA-205\_1240

( 1 )

**SN-1672** P.T.O.

+

Shot by Busterhitu

- (iii) What is feasibility study?
- (iv) What is Prototype of System ?
- (v) What is IPO chart ?
- (vi) What is use of Decision Tree ?
- (vii) Define Testing.
- (viii) What is Test Plan ?
- (ix) What is limitation of Linear approach ?
- (x) What is Audit Trail ?

### Part-B

2. Discuss benefit of factoring a system into subsystem.
3. Discuss need of system approach.
- ④. Discuss role of system Analyst.
5. Discuss Linear model of system development.
6. Explain :
  - (a) DFD
  - (b) Data Dictionary.

BCA-205\_1240

( 2 )

SN-1652

realme

- 02/10/20
7. Differentiate Logical and physical view of data.
  8. Explain Need of System Testing.
  9. Discuss criteria for selection of hardware and software for a system.
  10. Explain Inverted File Organization.
  11. Explain Indexed File Organization.