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Total No. of Pages : 02

Total No. of Questions : 07

**BCA (2014 to 2018) (Sem.-3)**  
**SYSTEM ANALYSIS & DESIGN**  
Subject Code : BSBC-301  
M.Code : 10057

Time : 3 Hrs.

Max. Marks : 60

**INSTRUCTION TO CANDIDATES :**

1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
2. SECTION-B contains SIX questions carrying TEN marks each and a student has to attempt any FOUR questions.

**SECTION-A****1. Answer briefly :**

- (a) What are the basic principles of a successful system?
- (b) Write the advantages of Interviews as an information gathering tool.
- (c) List various phases of SDLC.
- (d) List various inputs to system design.
- (e) Write a brief note on Physical design.
- (f) Explain in brief about Data Dictionary.
- (g) List various steps of Regression testing.
- (h) Differentiate between Alpha and Beta testing.
- (i) Explain in brief about Adaptive maintenance.
- (j) Explain in brief about Parallel method of Implementation.

### SECTION-B

2. Define System. How system is different from sub-system? Explain characteristics and types of system. (10)
3. (a) Explain in detail the role of system analyst. (5)  
(b) Explain in brief the types of documentation and their importance. (5)
4. Write a detailed note on Input/output and file design. (10)
5. (a) Write a brief note on System Maintenance. (5)  
(b) Briefly explain the various activities that represent a test plan. (5)
6. Write a detailed note on following terms :
  - (a) System Testing (3)
  - (b) Integration Testing (4)
  - (c) Acceptance Testing (3)
7. Write a detailed note on System Implementation methods. (10)

**NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.**