

Roll No.

Total No. of Pages : 02

Total No. of Questions : 16

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

Time : 3 Hrs.

Max. Marks : 60

**INSTRUCTIONS 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 students have to attempt any FOUR questions.

**SECTION-A**

**Answer briefly :**

1. List various characteristics of the system.
2. Differentiate deterministic and stochastic systems.
3. What are various stages of the system design?
4. Differentiate logical and physical design.
5. Define File. What are its different types?
6. What are different principles of system documentation?
7. Why a system analyst is required?
8. What is zero level DFD?
9. Differentiate alpha and beta testing.
10. What is acceptance testing?

## SECTION-B

11. Describe the concept of a system. Why is this concept so important in organization and information system? Explain.
12. What are various types of documentation? Discuss the significance of each documentation type.
13. What is unit testing? How it is different from integration and system testing? Explain with example.
14. Write notes on the following :
  - a) Decision tree and decision table.
  - b) Significance of regression testing.
15. What is system implementation process? Discuss the merits and demerits of each system implementation method.
16. Explain the following :
  - a) Need of preventive and perfective maintenance
  - b) Information gathering tools

**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.**