

Roll No.

Total No. of Pages : 02

Total No. of Questions : 07

**BCA (2013 & Onward) (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.
3. Use of non-programmable scientific calculator is allowed.

**SECTION-A**

**Q1. Answer briefly :**

- a) Write the advantages of waterfall model.
- b) What are the duties of system analyst?
- c) Write a short note on Physical design.
- d) What is the purpose of a training manual?
- e) Give main objectives of Alpha testing.
- f) What is user acceptance testing?
- g) Define corrective maintenance.
- h) What is feasibility study?
- i) Discuss post implementation maintenance.
- j) Write qualities of good team leader.

## SECTION-B

- Q2. Explain spiral model for software life cycle and write its various activities in each phase.
- Q3. What is the purpose of information gathering tools? Discuss various methods of information gathering.
- Q4. Explain the design principles. What is the importance of user manual in design?
- Q5. What is the importance of Testing? Discuss the use of System Testing.
- Q6. Define System maintenance. Give the example of System maintenance by taking a case study.
- Q7. What is software implementation process? What are the phases of the system implementation process?

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