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Total No. of Pages : 02

Total No. of Questions : 07

**BCA (2011 & onward) (Sem.-3)**  
**SYSTEM ANALYSIS & DESIGN**  
Subject Code : BSBC-301  
Paper ID : [B0228]

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) Write briefly :**

- a) Name five common analysis tools.
  - b) What factors need to be considered when deciding on the best system design?
  - c) What is the implementation phase?
  - d) Name the two parts of the maintenance phase.
  - e) What is acceptance testing?
  - f) What is the difference between alpha and beta testing?
  - g) Which implementation approach is preferred when there are many people in an organization performing similar operations?
  - h) Which implementation approach is more appropriate for organizations in which people are performing different operations?
  - i) Which of the following tasks is not part of the systems design phase? Explain :
    - i. designing alternative systems
    - ii. selecting the best system
    - iii. writing a systems design report
    - iv. suggesting alternative solutions
  - j) What are the objectives of software design?
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## SECTION-B

- 2) Define system and its types. Explain the Phases of SDLC.
- 3) What is the role of system analyst? Explain it in detail.
- 4) What do you mean by documentation? Explain user manual, design documentation and training manual in detail.
- 5) What do you mean by structured analysis and explain it with the help of tools?
- 6) Define the following :
  - a) Integration testing
  - b) Unit testing
- 7) Define system implementation and its methods in detail.

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