

Roll No. 

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Total No. of Pages : 02

Total No. of Questions : 18

**B.Tech (CSE) (Sem.-5)**  
**SYSTEM ANALYSIS AND DESIGN**  
Subject Code : CS-301  
Paper ID : [A0464]

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 FIVE questions carrying FIVE marks each and students have to attempt any FOUR questions.
3. SECTION-C contains THREE questions carrying TEN marks each and students have to attempt any TWO questions.

**SECTION-A****Answer briefly :**

1. What is automatic system?
2. Define production in system design?
3. What are real time systems?
4. What are roles of System Analyst?
5. Write a short note on group communication?
6. Write a short note on physical design?
7. What is use of DFD diagrams?
8. What is system acceptance criteria?
9. Discuss data and storage media?
10. What is computer system auditing?

### SECTION-B

11. Explain the principles that should be adopted for making a successful system?
12. Define feasibility study? What are types of feasibility reports?
13. Why do we use validation and verification in quality assurance plans?
14. Discuss the various coding styles and their impact on cost estimation?
15. What is disaster recovery and contingency planning in system design?

### SECTION-C

16. Explain the cost benefit and analysis technique for determining the software cost estimation?
17. Explain the role of software project planning? Discuss the technical plans?
18. Illustrate the concept of object modeling and dynamic modeling in object oriented analysis and design life cycle?