

Roll No.

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?