

Roll No. 

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Total No. of Pages : 02

Total No. of Questions : 07

**B.Sc.(IT) (Sem.-3)**  
**SYSTEM ANALYSIS AND DESIGN**  
Subject Code : BS-207  
Paper ID : [B0412]

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****I. Write short notes on :**

- a) What is UML?
- b) What are CASE TOOLS?
- c) What is ER diagram?
- d) What is Data Dictionary?
- e) What is decision table?
- f) What do you mean by testing?
- g) What is dynamic modelling?
- h) Define coupling.
- i) Top-down design.
- j) What is prototype?

## SECTION B

2. What are the roles and responsibilities of system analyst?
3. What is system? Explain real time and distributed systems.
4. Define the various tools of structured analysis. How is DFD different from flow chart?
5. What type of threats are there for computer system and what are the control measurements?
6. Discuss “Questionnaire” as a method of fact finding. Comment on its usefulness by giving an example.
7. Write short note on the following :
  - (i) Transaction Processing System
  - (ii) GUI design
  - (iii) Virus
  - (iv) Software Policy
  - (v) Software Maintenance.

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