Roll No. ☐☐☐☐☐☐☐☐☐☐☐☐   **Total No. of Pages : 02**

Total No. of Questions : 07

B.Sc. (IT) (2015 & Onward)
(Sem.–4)
SYSTEM ANALYSIS & DESIGN
Subject Code : BSIT-403
Paper ID : [74085]

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 SIX questions carrying TEN marks each and students have to attempt any FOUR questions.**

SECTION-A

1. **Explain the following :**

    a) Logical Design.

    b) Regression Testing.

    c) Characteristics of System.

    d) GUI.

    e) Bottom up Design.

    f) Case Study.

    g) Self-Paced Training.

    h) Perfective maintenance.

    i) Purpose of UML.

    j) Open Systems.

SECTION-B

2. Explain the different phases of Software Development Life Cycle.

3. What is the Role of System Analyst? Discuss various Information Gathering Tools.

4. Compare and Contrast between different Structured Analysis Tools.

5. Explain different Implementation methods. Also, discuss Post Implementation Maintenance.

6. What is meant by Software Testing? Explain various Types of Software Testing.

7. Describe the importance of Cohesion and Coupling in system Design. Discuss the all types of Cohesion and Coupling.