

**BHARATI VIDYAPEETH INSTITUTE OF TECHNOLOGY**  
**QUESTION BANK**  
**Unit Test-I**

Program: - Computer Engineering Group

Program Code:- CM

Course Title: - Software Engineering

Semester: - Fifth

Course Abbr & Code:-STE (315323)

Scheme: K

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**CHAPTER-1 (Software Development Process) (CO1)**

**2 MARKS**

1. Define the terms i) Software ii) Software Engineering.
2. Explain any two characteristics of Software.
3. Define the term Extreme Programming.
4. Draw Layered Approach for Software Engineering.

**4 MARKS**

5. Explain Waterfall Model with neat diagram.
6. Explain RAD model with neat diagram.
7. Explain adaptive software development with respect to i) Speculation ii) Collaboration.
8. Differentiate between Waterfall Model and Spiral Model.
9. Explain DSDM.

**CHAPTER-2 (Software Requirement Engineering) (CO2)**

**2 MARKS**

10. Enlist core principles of software engineering practice.
11. Explain following terms with reference to requirement engineering  
i) Inception ii) Elicitation.
12. What is Software Coding? State three principles of code validation.
13. Enlist any four planning principles.

**4 MARKS**

14. Explain the general format of Software Requirement Specification (SRS).
15. Describe communication Practices. (Any 4)
16. Explain Functional and Non-Functional requirements of the software.
17. Define use case. Draw use case diagram for Railway Ticket Reservation System.
18. Explain Software Deployment Principles. (Any 4)
19. Explain Requirement Engineering Process.

## **CHAPTER-3 (Software Modeling & Design) (CO3)**

### **2 MARKS**

- 20. List and draw symbols used in DFD.
- 21. Define Data Object and Data Attributes.

### **4 MARKS**

- 22. Explain Cardinality and Modality with example.
- 23. Draw a DFD level 0, Level 1 for Hospital Management System.
- 24. Explain the translation of Analysis Model in to Design Model with neat diagram.