(Unit-1)

1 What is Software Engineering? **OR**

Explain Software Engineering: A Layered Technology.

2 What is Process? What is Product?

3 What is the importance of process model in development of software system? **OR**

Explain prototype process model

4 Explain the process model which is used for development of large-scale System. (SPIRAL MODEL) **OR**

Explain Spiral Process Model and its advantages. **OR**

Explain Spiral Model in detail **OR**

Explain spiral model and describe its advantages over waterfall model.

5 Comparison between Waterfall Model, Spiral Model, Incremental Model.

6 Explain the process model which is used in situations where the requirements are well defined (WATERFALL MODEL)

Chapter 2

1. Define software project management
2. Discuss direct matrix and indirect matrix
3. List out the Software Development Project Classification
4. Discuss W5HH Principle
5. Explain Function Point Components
6. List out different Empirical Estimation Models and explain any one.
7. Explain COCOMO model.

Chapter 3

1) List out the Requirement Engineering Tasks.
2) State Elaboration task in Requirement Analysis.
3) How to collect requirement? Explain different methods to collect requirement.
4) Mention the elements of Analysis Model.
5) Explain Use CASE and types of relationships.
6) Explain System Requirement Specification.
7) Illustrate about the role of Validation task in Requirement Analysis.
8) Describe about SRS.
9) Layout the requirement validation techniques in brief.

Chapter 4

1) Explain Design Concepts and Principles.
2) Explain Quality of good design .
3) Explain Data Centred and Data Flow Architecture desgin in details.
4) Explain Layered Architecture in details.
5) Explain Procedural design in details.
6) Explain golden rules for User interface in detail.
7) Explain User interface design process in detail.
8) What is interdependent among modules ? Explain in details.
9) Which module perform single task? Explain in details.
10) Write difference between Cohesion and Coupling. .