

Malla Reddy University
School of Engineering

Department of Computer Science and Engineering

Object Oriented Software Engineering

Model Questions

UNIT - 1

1. Illustrate the layers of Software Engineering and explain about the Software Development Life Cycle.
2. Explain in detail about the set of framework and Umbrella activities of Process Framework.
3. Elaborate the CMM Levels with an illustration for software process.
4. Write short notes on
 - a. Process Patterns
 - b. Process Assessment
5. Explain the various process models in detail.
 - a. Prescriptive Models (Waterfall Model and Incremental Process Model)
 - b. Evolutionary Process Models (Prototyping and Spiral Model)
 - c. Specialized Process Models
 - d. Unified Models
 - e. Personal and Team Process Models
6. Write short notes on
 - a. Process Technology
 - b. Product and Process

UNIT - 2

1. Outline the Software Requirements and its types.
 - a. Functional requirements
 - b. Non-functional requirements
 - c. System requirements
 - d. Interface Specification
2. Summarize how to write software requirements specification document with a sample document in IEEE Format.
3. Outline about Requirement Engineering Process.
 - a. Feasibility studies
 - b. Requirements elicitation and analysis
 - c. Requirements validation
 - d. Requirements management

Unit - 3

1. Explain Quality attributes for a good software design.
2. Write a note on Software design Concepts.
3. Illustrate the different dimensions of the Design model.
4. Summarize the following,
 - a. Software Architecture
 - b. Data design
5. Illustrate a brief Taxonomy of Styles and Patterns.
6. Explain about the Architectural design.
7. Elaborate the following with suitable examples,
 - a. Conceptual Model of UML
 - b. Basic Structural Modeling
 - i. Class diagrams
 - ii. Sequence diagrams
 - iii. Collaboration diagrams
 - iv. Use case diagrams
 - v. Component diagrams