

CS403 Software Engineering (RGPV)

Unit-1: Software Product and Software Process

Most Important Questions based on PYQ Analysis (2022-2025)

1. Explain Spiral Model with neat diagram, advantages and disadvantages.
2. Explain CMM Levels with diagram.
3. Explain RAD Model with neat sketch.
4. Draw and explain Incremental Model with merits and demerits.
5. Explain Component Assembly Model and compare it with Incremental Model.
6. Explain Agile Process and its principles.
7. Explain Waterfall (Linear Sequential) Model with advantages and disadvantages.
8. Explain Prototyping Model with diagram.
9. Differentiate Software Product and Software Process.
10. Differentiate Product Characteristics and Process Characteristics.
11. Explain Process Customization and Improvement with reference to CMM.
12. Explain RUP (Rational Unified Process) and its phases.
13. Explain Evolutionary Process Models.
14. Compare Waterfall, Spiral, Incremental and Agile Models.
15. Write short note on Product Metrics and Process Metrics.