

CS403 Software Engineering (RGPV)

Unit-5: Software Maintenance & Project Management

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

1. Explain Software Maintenance and its need.
2. Explain Types of Software Maintenance (Corrective, Adaptive, Perfective, Preventive).
3. Explain Software Configuration Management (SCM) and its activities.
4. Discuss Change Management Process with diagram.
5. Explain Version Control and its importance in software projects.
6. What is Change Control? Explain its objectives.
7. Explain Configuration Status Reporting.
8. What is Program Comprehension? Explain techniques used for understanding existing software.
9. Explain Reengineering and its objectives.
10. Explain Reverse Engineering with suitable example.
11. Differentiate Reengineering and Reverse Engineering.
12. Explain Project Management and its functions.
13. Explain Feasibility Analysis and its types (Technical, Economic, Operational, Schedule).
14. Discuss Project Planning activities in Software Engineering.
15. Explain Resource Allocation in Software Projects.
16. Explain Cost Estimation techniques and factors affecting software cost.
17. Explain Project Scheduling with Gantt Chart and PERT Chart.
18. Explain Risk Management Process with diagram.
19. Discuss Risk Assessment and Risk Mitigation techniques.
20. Explain Software Quality Assurance (SQA) and its activities.
21. Discuss Project Metrics and their importance.
22. Write short notes on SCM, SQA and Project Metrics.