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| * Explain the waterfall model. |
| * List the umbrella activities followed in generic process model. |
| * Define SRS. List the benefits of SRS. |
| * Differentiate between waterfall model and spiral model. |
| * List the principles of agile methodology. |
| * What is the need of feasibility study? Explain its types. |
| * State and explain the design modelling principles. |
| * Differentiate between function oriented design and object oriented design. |
| * What is coupling and cohesion? |
| * List various types of Testing Metrics |
| * What activities are included in design verification? |
| * Explain the various cost estimation techniques. |
| * Explain different steps included during risk resolving. |
| * State and explain different types of risk. |
| * Explain how RMMM helps in identifying the severity of risk. |
| * Write a short note on Verification and Validation |
| * Define Six Sigma with its methodologies. |
| * Explain the concept of testing with different levels of testing. |
| * State and explain the phases in SDLC. |
| * Write a short note on spiral model. |
| * Explain COCOMO model. |
| * List the basic principles of project scheduling. |
| * Explain the bug life cycle. |
| * State difference between White box testing and Black box testing |
| * Explain in brief the software development lifecycle. |
| * List the advantages and disadvantages of incremental model. |
| * What is agility? Explain XP in detail. |
| * Write a short note on spiral model. |
| * Define SRS. What are the characteristics of SRS? |
| * Explain any 3 types of UML diagrams. |
| * Explain various testing metrics. |
| * Define the various methods of design verification. |
| * Discuss the various cost estimation parameters. |
| * Write a short note on COCOMO Model. |
| * Explain metrics of software quality. |
| * What are the metrics for object oriented design. |
| * State and explain different levels of testing. |
| * Explain the bug life cycle. |
| * Write a short note on White box testing and Black Box testing. |
| * Differentiate between Verification and Validation. |
| * Explain the different categories of Risk. |
| * What are the factors of writing a good test plan? |
| * State and explain design modelling principles. |
| * Draw use case diagram for Car Rental System. |
| * Differentiate between coupling and cohesion. |
| * Explain activity diagram with example. |
| * State and explain the seven principles of Software Testing |
| * What is the role of SQA? State the task of SQA. |
| * Why spiral model is called as Evolutionary model? |
| * Explain Incremental Model with its advantages and disadvantages. |
| * List components of SRS. |
| * Explain Agile Development. |
| * What is Software? Differentiate between software and hardware. |
| * Design Software documentation for library management System by using following diagrams: * 1)Use case Diagram * 2)Sequence Diagram |
| * What are the metrics for object oriented design? |
| * How function oriented approach is different than object oriented approach. |
| * Discuss the various design modelling principles. |
| * Differentiate between coupling and cohesion. |
| * What is COCOMO Model? |
| * Describe types of coupling. |
| * Explain RMMM plan. |
| * What is Project Scheduling? What are its basic Principles? |
| * Explain different types of risk. |
| * Differentiate between Software quality control and Software Quality Assurance. |
| * What is Software Metrics? What are its Types? |
| * Differentiate between Verification and Validation. |
| * Write a short note on CMM |
| * Explain Six sigma . |
| * What are the levels of testing? |
| * List Testing Principles. |
| * What is white box testing ?What are its advantages? Explain any one method of it. |
| * Explain Equivalence Partitioning. |