MALLA REDDY UNIVERSITY

SoE - B.Tech CSE

II Year - I Semester

Subject: Object Oriented Software Engineering

Subject Code: MR22-1CS0146

Unit-Wise Question Bank

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| **Qno** | **Question** | **Marks** | **Section** |
| 1 | Write in detail about capability maturity model (CMM). | 8 | Section-I |
| 2 | Write in detail about SDLC. | 8 | Section-I |
| 3 | Explain in detail about the set of framework and umbrella activities of process framework | 8 | Section-I |
| 4 | Draw and explain the waterfall model. | 8 | Section-I |
| 5 | Draw and explain the incremental model. | 8 | Section-I |
| 6 | Outline about prototyping model for software development with neat diagram. | 8 | Section-I |
| 7 | Draw and explain the spiral model. | 8 | Section-I |
| 8 | Elaborate about Personal and Team Process Models, Product and Process. | 8 | Section-I |
| 9 | Draw and explain the unified model. | 8 | Section-I |
| 10 | Summarize about the prescriptive models. | 8 | Section-I |
| 11 | Explain about Types of Software requirements. | 8 | Section-II |
| 12 | Explain about Requirement Engineering process. | 8 | Section-II |
| 13 | Outline about Software Requirement Specification (SRS). | 8 | Section-II |
| 14 | Explain about Software Requirement Validation. | 8 | Section-II |
| 15 | Illustrate about Requirement Elicitation. | 8 | Section-II |
| 16 | Write a short note on Requirement Analysis. | 8 | Section-II |
| 17 | Outline about user requirements and system requirements. | 8 | Section-II |
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| 18 | Summarize functional and non-functional requirements. | 8 | Section-II |
| 19 | Write a short note on Requirements management. | 8 | Section-II |
| 20 | Write a short note on user requirements, system requirements, interface specification. | 8 | Section-II |
| 21 | Illustrate the quality attributes for a good software design. | 8 | Section-III |
| 22 | Outline the dimensions of Design model. | 8 | Section-III |
| 23 | Explain in details about Basic Structural Modelling. | 8 | Section-III |
| 24 | Draw a use-case diagram for reservation of ticket. | 8 | Section-III |
| 25 | Draw a sequence diagram for an order management system. | 8 | Section- III |
| 26 | Draw a class diagram for reservation of ticket. | 8 | Section- III |
| 27 | Draw a collaboration diagram for an order management system. | 8 | Section- III |
| 28 | How system modelling is achieved using UML? Explain with a suitable example. | 8 | Section- III |
| 29 | Draw a component diagram for an order management system. | 8 | Section- III |
| 30 | Draw a use-case diagram for an order management system. | 8 | Section-III |
| 31 | Define Testing? Explain differences testing strategies. | 8 | Section-IV |
| 32 | Explain about black box testing. | 8 | Section-IV |
| 33 | Explain about white box testing? | 8 | Section-IV |
| 34 | Write short note on test planning? | 8 | Section-IV |
| 35 | Explain about debugging approaches. | 8 | Section-IV |
| 36 | Outline about project size estimation. | 8 | Section-IV |
| 37 | Explain about characteristics of software Metrics. | 8 | Section-IV |
| 38 | Summarize framework for product metrics. | 8 | Section- IV |
| 39 | Outline about cyclomatic complexity | 8 | Section- IV |
| 40 | Explain about Validation Testing. | 8 | Section- IV |
| 41 | What is Risk Management and write about different types of risks. | 8 | Section-V |
| 42 | Outline about Risk management activities. | 8 | Section-V |
| 43 | Illustrate seven principles of risk management. | 8 | Section-V |
| 44 | Explain in detail about RMMM. | 8 | Section-V |
| 45 | Explain in detail about FTR. | 8 | Section-V |
| 46 | Explain in detail about ISO 9000 quality standards. | 8 | Section-V |
| 47 | Summarize about software quality assurance. | 8 | Section-V |
| 48 | Outline about software quality control. | 8 | Section-V |
| 49 | Explain about risk identification. | 8 | Section-V |
| 50 | Outline about risk projection. | 8 | Section-V |