Que No.	Question	Marks
1.	Your team is working on a complex software project. How would you apply the software engineering principles of modularity and abstraction to ensure the project is manageable and maintainable?	5
2.	A client has requested a software system with well-defined requirements but anticipates needing rigorous testing throughout the development process. Would you recommend using the V-shaped Model or the Waterfall Model for this project? Explain your reasoning.	5
3.	Explain the fundamental principles of software engineering. How do these principles help in creating high-quality software?	5
4.	You are leading a software development team adopting Scrum for the first time. Describe how you would explain the roles of Scrum Master, Product Owner, and Development Team to your colleagues. Additionally, how would you organize the Daily Scrum and Sprint Planning meetings?	5
5.	Your company is considering moving from a traditional software development model to an Agile methodology. What are the key differences between Agile and traditional models like Waterfall, and how would these differences impact the development process?	5
6.	Your organization has traditionally separated development and operations teams, but now it is transitioning to a DevOps approach. What changes would you recommend to improve collaboration between these teams, and how would this transition enhance the software delivery process?	5
7.	During the requirements gathering phase of a project, the client provides a vague and evolving set of requirements. How would you approach this situation using Agile methodologies like Scrum or Kanban to ensure that the final product meets the client's needs?	5
8.	Your team is tasked with developing an e-commerce application. Outline how you would apply the stages of the Software Development Lifecycle (SDLC) to this project, from requirements gathering to deployment, using an Agile methodology.	5
9.	For a new project requiring a high-performance application with a focus on system-level programming, your team needs to choose a programming language. How would you evaluate different programming languages to select the most appropriate one for this project?	5
10.	You are working on a project that requires frequent changes based on customer feedback. Compare and contrast how this project would be managed using a traditional development model like Waterfall versus an Agile model like Scrum.	5
11.	Your company is implementing DevOps practices to streamline the software delivery process. Describe how continuous integration and continuous deployment (CI/CD) pipelines would be set up and how these practices would benefit the overall software development process.	5