**1. Can you explain the Agile methodology and its benefits?**

**Answer:**  
*"Agile is an iterative and incremental approach to software development that promotes collaboration, adaptability, and continuous delivery. It allows teams to respond to changing requirements efficiently. The key benefits include faster time-to-market, improved product quality, higher customer satisfaction, and better risk management."*

**2. What is the difference between Scrum and Kanban?**

**Answer:**  
*"Scrum follows a structured framework with defined roles (Scrum Master, Product Owner, and Development Team) and time-boxed sprints, whereas Kanban is more flexible, focusing on continuous workflow without fixed iterations. Scrum is best for complex projects requiring regular feedback, while Kanban is useful for teams handling ongoing tasks like support and maintenance."*

**3. Can you describe the key Agile ceremonies and their purpose?**

**Answer:**  
\_"Sure, Agile includes several key ceremonies:

* **Sprint Planning:** Defines sprint goals and backlog items.
* **Daily Standup (Scrum Meeting):** A quick meeting (15 mins) to discuss progress, roadblocks, and next steps.
* **Sprint Review:** Demonstrates the completed work to stakeholders for feedback.
* **Sprint Retrospective:** Reflects on what went well, what didn’t, and how to improve in the next sprint."\_

**4. How do you handle scope creep in Agile projects?**

**Answer:**  
*"Scope creep is managed through a well-defined backlog and continuous stakeholder communication. If a new request comes in mid-sprint, we evaluate its priority and impact. If it's critical, we negotiate trade-offs with the Product Owner to adjust scope while keeping the sprint goal intact. Otherwise, it’s added to the backlog for future sprints."*

**5. How do you ensure your team follows Agile principles?**

**Answer:**  
*"I ensure Agile principles are followed by conducting proper sprint planning, setting clear goals, encouraging collaboration, and promoting a culture of transparency. I also facilitate retrospectives to identify areas for improvement and provide training or mentoring if needed."*

**6. Have you ever worked in a hybrid Agile environment? How did you manage it?**

**Waterfall Model (Traditional Approach)**

The Waterfall model is a sequential software development process, where each phase must be completed before moving to the next one.

**Answer:**  
*"Yes, I have worked in projects that combined Agile with traditional Waterfall elements. We used Agile for development but had fixed milestones and approvals, which aligned with Waterfall. I ensured smooth integration by maintaining Agile flexibility while adhering to project governance requirements."*

**7. What challenges have you faced while working in Agile, and how did you overcome them?**

**Answer:**  
*"One major challenge was resistance to Agile from stakeholders used to traditional methods. I addressed this by demonstrating Agile's benefits through small pilot projects. I also ensured transparency through regular demos and retrospectives, which gradually built trust in the process."*

**8. What is the role of a Scrum Master, and how does it differ from a Project Manager?**

**Answer:**  
*"A Scrum Master is a servant leader who facilitates Agile practices, removes roadblocks, and ensures team collaboration. In contrast, a Project Manager is responsible for overall project planning, resource allocation, and risk management. While a Scrum Master focuses on Agile execution, a Project Manager oversees broader project constraints like budget and compliance."*

**9. How do you handle a team member who is resistant to Agile practices?**

**Answer:**  
*"I would have a one-on-one conversation to understand their concerns. If it’s due to unfamiliarity, I would provide guidance or training. If they’re hesitant due to past experiences, I would show how Agile improves efficiency. Leading by example and gradually involving them in Agile discussions helps bring them on board."*

**10. How do you measure the success of an Agile team?**

**Answer:**  
\_"Success is measured using Agile metrics such as:

* **Velocity:** The amount of work completed per sprint.
* **Sprint Burndown Chart:** Tracks progress against planned work.
* **Lead Time & Cycle Time:** Measures efficiency in delivering features.
* **Team Satisfaction & Stakeholder Feedback:** Ensures continuous improvement and alignment with business goals."\_