

Essay Type Questions

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Module 2: Agile Project Management - Essay Questions and Answers

Question 1: Discuss the core values and principles of the Agile Manifesto and their impact on project management.

Answer:

The Agile Manifesto emphasizes four core values: individuals and interactions over processes and tools, working software over comprehensive documentation, customer collaboration over contract negotiation, and responding to change over following a plan. These values promote flexibility, rapid delivery, and stakeholder collaboration, enabling project teams to adapt to changes and deliver value iteratively.

Question 2: Compare and contrast Scrum and Kanban as Agile frameworks, highlighting their strengths and limitations.

Answer:

Scrum is an Agile framework that operates in fixed sprints and focuses on roles such as Product Owner, Scrum Master, and Development Team.

Kanban, on the other hand, is a visual workflow management method that limits work in progress to prevent bottlenecks.

While Scrum provides structure and regular feedback through sprints, Kanban offers continuous delivery and flexibility.

Question 3: Explain the purpose of the Product Backlog and how it is managed in a Scrum framework.

Answer:

The Product Backlog is a prioritized list of features, tasks, and requirements maintained by the Product Owner.

It serves as the single source of work for the Scrum Team and is continuously updated based on feedback, changing priorities, and sprint reviews.

Items at the top of the backlog are prioritized and refined for the upcoming sprints.

Question 4: Analyze the significance of the Sprint Retrospective in promoting continuous improvement within an Agile team.

Answer:

The Sprint Retrospective is a time-boxed meeting conducted at the end of each sprint to reflect on the team's performance, identify process improvements, and adjust workflows.

It encourages open communication, fosters a culture of continuous improvement, and ensures that lessons learned are applied to future sprints to enhance team efficiency and collaboration.

Question 5: Evaluate the challenges of implementing Agile in large-scale projects and how the Scaled Agile Framework (SAFe) addresses these challenges.

Answer:

Implementing Agile in large-scale projects presents challenges such as coordinating multiple teams, aligning business objectives, and maintaining consistency.

The Scaled Agile Framework (SAFe) addresses these challenges by introducing structured layers (e.g., Portfolio, Program, Team) and implementing practices such as PI Planning, Agile Release Trains, and Lean Portfolio Management to ensure alignment and value delivery across the enterprise.