Vendor: Scrum

Exam Code: PSD

Exam Name: Professional Scrum Developer

Version: DEMO

QUESTION 1
Which of the following are quality goals in application architecture? (choose the best two answers)

A. Build.
B. Security.
C. Design pattern selection.
D. Scalability.

Answer: BD
Explanation:
Security ensures the application protects data and systems, while scalability ensures it can handle increased loads efficiently. These are key quality attributes for a robust application architecture.

QUESTION 2
Which of the following describes the focus of the first way of DevOps? (choose the best answer)

A. A culture of continuous experimentation and learning.
B. To deliver value earlier and more frequently.
C. A tool-focused way of introducing DevOps, compared to a mindset way (second way) and organizational structure (third way).
D. Using automated build and release pipelines.
E. The first set of practices a team should apply before moving to the second way.

Answer: B
Explanation:
The first way of DevOps emphasizes optimizing the flow of work from development to operations to deliver value to customers earlier and more frequently, reducing lead time.

QUESTION 3
In what ways do Developers contribute to refining the Product Backlog? (choose the best three answers)

A. They may update estimates for Product Backlog items.
B. They do not. The Scrum Master and the Product Owner are responsible for Product Backlog refinement.
C. They give input on technical dependencies.
D. They do not. The Developers are only responsible for prioritizing technical work.
E. They ask QUESTIO N NO :s to clarify the intent of Product Backlog items.

Answer: ACE
Explanation:
Developers actively participate in Product Backlog refinement by updating estimates, identifying technical dependencies, and asking clarifying QUESTIO N NO :s to ensure shared understanding.

QUESTION 4
Developers are blocked by an impediment in the middle of the Sprint. The impediment is outside the Developer's control. What should they do? (choose the best answer)

A. Cancel the Sprint.
B. Immediately raise the issue to the Scrum Master.
C. Complete the work that can be done and complete the remainder during the "hardening sprint".
D. Stop using Scrum until the impediment is resolved.
E. Drop the Product Backlog items affected by the impediment from the Sprint Plan.

Answer: B
Explanation:
The Scrum Master is responsible for removing impediments. Developers should immediately raise the issue to the Scrum Master to facilitate resolution and maintain progress.

QUESTION 5
When is a system's architecture decided? (choose the best answer)

A. It is designed along with the vision, before the first Sprint.
B. In the beginning of the project, during Sprint 0.
C. Before writing code.
D. Throughout development, as understanding emerges.

Answer: D
Explanation:
In Scrum, system architecture evolves iteratively. Decisions are made throughout development as more is learned about the requirements and product, aligning with Agile principles.

QUESTION 6
What are possible benefits from practicing Test-Driven Development? (choose the best three answers)

A. It is a great way for Testers to contribute early in the Sprint as they can start creating all the tests from the beginning.
B. It increases collaboration between Developers as it requires Pair Programming.
C. It helps to identify gaps in understanding the desired behavior.
D. It might lead to better code as refactoring is part of the Test-Driven Development cycle.
E. It helps break down complex problems into smaller ones that are much easier to be tackled.
F. It makes Integration Tests obsolete and by doing so saves a lot of time.

Answer: CDE
Explanation:
Test-Driven Development (TDD) helps identify gaps in understanding by requiring tests that outline the desired behavior. Refactoring ensures better code quality, and breaking problems into smaller units makes them manageable.

QUESTION 7
Which of the following is required by Scrum? (choose the best answer)

A. Sprint Retrospective
B. Developers must stand up at the Daily Scrum.
C. Sprint Burndown Chart.
D. Release Planning.
E. All of the above.

Answer: A
Explanation:
Scrum mandates the Sprint Retrospective to inspect and adapt. Other practices, such as burndown charts and release planning, are tools and techniques but are not required by Scrum.

QUESTION 8
When are individuals with testing and quality expertise included in the software development effort? (choose the best answer)

A. From the beginning and throughout all Sprints.
B. When the implementation of each feature is complete.
C. After Sprint Review.
D. When the product is feature complete.

Answer: A
Explanation:
Scrum emphasizes quality from the start. Testing and quality expertise are integral throughout all Sprints to ensure continuous feedback and integration of quality measures.

QUESTION 9
What should the Scrum Team do during the first Sprint? (choose the best answer)

A. Analyze, describe, and document the requirements for the subsequent Sprints.
B. Define the major product features and a release plan architecture.
C. Make up a plan for the rest of the project.
D. Create at least one valuable and useful Increment.

Answer: D
Explanation:
The first Sprint is focused on delivering a valuable and usable Increment. This embodies Scrum's iterative approach, where value is delivered early and feedback is gathered.

QUESTION 10
When using Scrum, can a Scrum Team use Continuous Delivery? (choose the best answer)

A. No, because the increment has to be approved at the Sprint Review before it can be released, and a 2-week Sprint would not be considered continuous.
B. No, because stakeholders may have already seen the new features and the Sprint Review will be meaningless.
C. No, because before releasing an Increment it first has to fulfill the Definition of Done.
D. No, because the Product Owner may not be available each time a PBI is done, and the Product Owner has to decide if it should be released.
E. Yes, there is nothing in Scrum that conflicts with Continuous Delivery.

Answer: E
Explanation:
Scrum is compatible with Continuous Delivery as long as each Increment meets the Definition of Done. Continuous Delivery aligns with Agile principles, allowing frequent releases.

QUESTION 11
When is refinement of a Product Backlog item complete? (choose the best answer)

A. When the Product Owner says it is ready.
B. At the end of Sprint Planning.
C. When the Scrum Team agrees it is precise enough.
D. When the Product Backlog Refinement timebox expires.

Answer: C
Explanation:
Refinement is complete when the Scrum Team agrees that the Product Backlog item is clear and precise enough to proceed with planning or implementation.

QUESTION 12
Which of the following are DevOps Practices? (choose the best answer)

A. Continuous Integration / Continuous Deployment / Continuous Delivery.
B. Blue-Green-Deployment.
C. Hypothesis-Driven Development.
D. Vertical Teams.
E. Blameless Post-Mortems.
F. All of the above.

Answer: F
Explanation:
DevOps practices encompass a broad range of approaches, including CI/CD, deployment strategies, and cultural practices such as blameless post-mortems, all aimed at improving collaboration and delivery.

QUESTION 13
A team has expressed requirements as a set of failing acceptance tests. What are three benefits? (choose the best three answers)

A. Improves quality in the requirement itself.
B. Promotes the use of the DRY principle.
C. Tracking of completeness.
D. Using a code generation tool, the solution can be generated from the requirements model.
E. Clear acceptance criteria for each feature.

Answer: ACE
Explanation:
Expressing requirements as failing tests ensures clarity, improves requirement quality, and tracks completeness. It also provides well-defined acceptance criteria for feature development.

QUESTION 14
Which of the following are required by Scrum? (choose all that apply)

A. Release burn-up.
B. Burn-down chart.
C. Unit tests.

D. Critical path analysis.
E. Refactoring.
F. Build automation.
G. None of the above.

Answer: G
Explanation:
Scrum does not prescribe specific tools or techniques like burn-down charts or unit tests. These are optional practices that teams may adopt to meet their goals effectively.

QUESTION 15
While developing a new feature, you find a bug delivered in a previous Increment. What should you do? (choose the best answer)

A. Set aside the Sprint Goal until the bug is fixed.
B. Revise the tests so that the bug no longer appears on the bug report.
C. Stub out the code that caused the bug so it no longer occurs.
D. Talk to the Product Owner about what steps to take.

Answer: D
Explanation:
The Product Owner prioritizes the work in the Product Backlog, including bugs. Developers should collaborate with the Product Owner to decide how to address the bug without jeopardizing Sprint Goals.

QUESTION 16
Which of the following is true about the Definition of Done? (choose the best two answers)

A. It defines a state when the entire Increment is releasable.
B. It might be a subject of discussion during the Sprint Retrospective.
C. It is synonymous with acceptance criteria.
D. It is the sole responsibility of the Developers to define it.
E. It can only be extended; nothing can be removed.

Answer: AB
Explanation:
The Definition of Done ensures an Increment is releasable and provides transparency. It can be refined over time to enhance quality, and its application can be reviewed during Retrospectives.

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