

# PMI

## Exam Questions PMI-ACP

PMI Agile Certified Practitioner (PMI-ACP)®



#### NEW QUESTION 1

What is used to provide a simple medium for gathering basic information about stories, recording high-level requirements, developing work estimates, and defining acceptance tests?

- A. Story card
- B. Burndown chart
- C. Retrospective
- D. Storyboard

**Answer: A**

#### NEW QUESTION 2

A company is starting to introduce Agile practices, and the project manager has been asked to identify how to introduce the new process. The project manager's initial plan should be to:

- A. Institute daily standup meetings immediately.
- B. Communicate the Agile Manifesto to the team.
- C. Balance teaching principles with Agile practices.
- D. Rate the team's progress in learning new methods.

**Answer: C**

#### NEW QUESTION 3

Refactoring, as it applies to the practice of extreme Programming (XP), refers to:

- A. Restructuring the estimate by applying a higher cost performance index during what-if analysis.
- B. Modifying the project due to scope changes, resource availability, and cost and schedule variances.
- C. Modifying the cost baseline due to an increased estimate at completion and a negative cost variance.
- D. Restructuring of code so as to improve the code without changing its external behavior.

**Answer: D**

#### NEW QUESTION 4

The smallest amount of functionality that delivers customer value is best described as a:

- A. Function point analysis.
- B. Right sized story.
- C. Minimum marketable feature.
- D. Userstory map.

**Answer: C**

#### NEW QUESTION 5

A development team has finished identifying the tasks they will be accountable for during the next sprint. Which of the following tools best provides transparency into the progress throughout the sprint?

- A. Burndown chart
- B. Gantt chart
- C. Hours expended chart
- D. Management baseline chart

**Answer: A**

#### NEW QUESTION 6

What is the responsibility of an extreme Programming (XP) customer role?

- A. Testing the daily increments of the software developed
- B. Writing the stories and acceptance tests for each story
- C. Planning and task allocation for the developer and tester
- D. Interacting closely with users and representing the XP team

**Answer: B**

#### NEW QUESTION 7

The advantage of face-to-face collaboration emphasized in eXtreme Programming (XP) is that it:

- A. allows team members to use common language in their design and code.
- B. delays feedback much more than scheduled inspections.
- C. eliminates communication delays and misunderstandings.
- D. allows team members to correct some mistakes on the fly.

**Answer: C**

#### NEW QUESTION 8

Which are some of the most important benefits of an Agile team sitting together in a co-located, open environment?

- A. Osmotic communication is reduced; space is used more efficiently; groups work together more effectively, and team dynamics are improved.
- B. Costs are reduced as the need for conference rooms decreases, and the team can keep track of where members are more accurately.
- C. Team members can be held more accountable for their time and effort, and pair programming is easier as people have less distance to move to sit with their partner.
- D. Communication is improved; wait-time and rework are reduced; barriers between groups break down, and groups gain respect for each other professionally.

**Answer: D**

#### NEW QUESTION 9

A project team estimates that they should complete 30 story points in the current iteration. Partway through the iteration they realize that they will complete 50 story points at their current rate. The team should:

- A. Shorten the iteration to meet the estimated velocity.
- B. Continue to work with the estimated velocity.
- C. Increase their estimated velocity.
- D. Release members to meet the estimated velocity.

**Answer: D**

#### NEW QUESTION 10

In an Agile approach, project values are most effectively implemented when they are determined by the:

- A. sponsor
- B. team
- C. project manager
- D. methodology

**Answer: B**

#### NEW QUESTION 10

What is the role in an eXtreme Programming (XP) project that ensures the right project processes are applied?

- A. Domain Expert
- B. Product Owner
- C. ScrumMaster
- D. Coach

**Answer: D**

#### NEW QUESTION 13

Information transmission is greatest amongst team members who are working on:

- A. Individual tasks in the same work area.
- B. The same task through pair programming.
- C. The same group of tasks individually.
- D. Different tasks on the same project.

**Answer: B**

#### NEW QUESTION 17

Continuous integration ensures that a product is:

- A. Ready to ship when all features are complete.
- B. Delivered for testing at the end of each day.
- C. Technologically ready to deploy at any time.
- D. Deployed after final business approvals.

**Answer: C**

#### NEW QUESTION 22

Which layer of the product planning structure defines details at the capability or feature level?

- A. Iteration
- B. Roadmap
- C. Release
- D. Wave

**Answer: C**

#### NEW QUESTION 27

Which is the best option to improve project velocity?

- A. Shield programmers from interruptions
- B. Minimize customer involvement
- C. Shorten the iteration length
- D. Increase project team size

**Answer:** A

**NEW QUESTION 29**

According to the Agile Manifesto, which of the following describes the more valued items?

- A. Customer collaboration, following a plan, working software, and individual interactions
- B. Working software, individual interactions, responding to change, and comprehensive documentation
- C. Individual interactions, working software, customer collaboration, and responding to change
- D. Responding to change, individual interactions, processes and tools, and customer collaboration

**Answer:** C

**NEW QUESTION 32**

A user story says that a product must be very fast. During the demo, the Product Owner is dissatisfied with the speed of the product. The most likely reason that this occurred is because the user story was:

- A. Too large.
- B. Not estimated correctly.
- C. Not testable.
- D. Not descriptive of the value.

**Answer:** C

**NEW QUESTION 34**

A full cycle of design-code-verify-release practiced by extreme Programming (XP) teams is called:

- A. Story
- B. Timebox
- C. Iteration
- D. Burndown

**Answer:** C

**NEW QUESTION 37**

Which best describes the attributes of the INVEST criteria in a user story?

- A. Incremental, Net, Variation, Exceed, Scope, and Training
- B. Interdependent, Nonfunctional, Value, Exploratory, Sprint, and Timebox
- C. Innovation, Nested, Vision, Estimating, Scalable, and Team
- D. Independent, Negotiable, Valuable, Estimable, Small, and Testable

**Answer:** D

**NEW QUESTION 40**

Velocity is the:

- A. total number of Product Backlog hours completed in an iteration divided by the number of developers.
- B. measured rate at which teams turn Product Backlog items into running, tested features.
- C. measured rate at which the project manager turns the Product Backlog into tested features.
- D. total number of Product Backlog hours completed when developers work in pairs.

**Answer:** B

**NEW QUESTION 41**

Who is responsible for determining the business value of each feature?

- A. Product Owner
- B. Steering committee
- C. ScrumMaster
- D. Team

**Answer:** A

**NEW QUESTION 44**

Which of the following drivers is the most important factor in determining the order in which stories will be developed?

- A. Relative cost
- B. Customer value
- C. Development effort
- D. Dependencies

**Answer: B**

**NEW QUESTION 45**

The cost estimation techniques used on Agile projects are:

- A. Rule of thumb
- B. Bottom-up
- C. Parametric
- D. Top-down

**Answer: D**

**NEW QUESTION 50**

In Agile risk management, a risk burndown chart is best used to:

- A. Qualitatively analyze the probability of a risk occurring.
- B. Track progress on risk reduction of technical risks.
- C. Document the external risks that could impact the project.
- D. Illustrate the project risk profile and new and changing risks.

**Answer: D**

**NEW QUESTION 55**

Which of the following techniques best encourages osmotic communication?

- A. Reviewing requirements frequently with the Product Owner
- B. Having the Product Owner attend daily standups
- C. Inviting the customer to attend every iteration demo
- D. Seating the team members together in a work area

**Answer: D**

**NEW QUESTION 56**

Team velocity is used to:

- A. Measure the percentage of features completed.
- B. Judge productivity within the iteration.
- C. Predict schedules for mature teams.
- D. Give feedback on delivered value.

**Answer: C**

**NEW QUESTION 58**

A business analyst has identified a new risk in an Agile project. What is the best first step the business analyst should take regarding this risk?

- A. Call a meeting with the project manager and senior management to determine how the risk will be managed.
- B. Email the project manager and add it to the risk register so that it is discussed during the next daily standup.
- C. Add the risk in a clearly visible location and ensure it is discussed after the next daily stand up.
- D. Call an immediate meeting with all team members to discuss the newly identified risk.

**Answer: C**

**NEW QUESTION 61**

Acceptance tests of user stories are specified by the:

- A. Customer at the start of the iteration.
- B. Customer as late as possible during the iteration.
- C. Tester after the team has finished the coding.
- D. Development team at the start of the iteration.

**Answer: A**

**NEW QUESTION 63**

The velocity chart, storyboard, burndown chart, and impediment list are often communicated using:

- A. Status reports.
- B. Information radiators.
- C. Portfolio presentations.
- D. Project data packages.

**Answer: B**

**NEW QUESTION 67**

At a strategic level, what is the most appropriate way for an Agile team to estimate a project?

- A. Creating a strategic plan by estimating hours and days required
- B. Using an abstract measurement to estimate Product Backlog items
- C. Estimating source lines of code needed to implement the features
- D. Taking an initial set of estimates and adding an appropriate risk factor

**Answer: B**

**NEW QUESTION 72**

Following chart lists stories for a release of an Agile project;

Story	Story Points
A	4
B	5
C	6
D	5
E	4
F	6
G	1

If the team completes Story A, Story B, and 50% of Story C for the first iteration, what is the team's velocity?

- A. 9
- B. 10
- C. 12
- D. 15

**Answer: A**

**NEW QUESTION 77**

On a project using eXtreme Programming (XP), a customer test is a:

- A. Technique to determine if the software is easy for customer use.
- B. Tool for a customer to verify the business requirements.
- C. Technique to determine if a customer will use a software feature.
- D. Test for determining if a customer will purchase the product.

**Answer: B**

**NEW QUESTION 81**

What is the common communication bridge between the team and the Product Owner?

- A. Burndown chart
- B. Product Backlog
- C. Scrum team meeting
- D. Sprint release plan

**Answer: B**

**NEW QUESTION 82**

The purpose of the iteration retrospective is to:

- A. Report progress of the work effort, what work will be done next, and review impediments to progress.
- B. Prioritize the Product Backlog, generate development and testing estimates, and plan the next iteration.
- C. Provide a demonstration of the features developed during the iteration, get feedback from users, and begin testing.
- D. Identify what worked well, what did not work well, and what actions should be taken to improve the process.

**Answer: D**

**NEW QUESTION 86**

Who is responsible for prioritizing the stories that will be included in the iteration?

- A. ScrumMaster
- B. Developer
- C. Product Owner
- D. Team

**Answer: C**

#### NEW QUESTION 88

The best approach to estimate the work on a project when using story points is to have:

- A. Team members assign estimates by averaging Planning Poker cards.
- B. The most senior team member prepare the estimates.
- C. Two or three senior team members estimate and take the average of their times.
- D. The team work together to agree on estimates in a group setting.

**Answer:** D

#### NEW QUESTION 89

An Agile team expects a velocity of 8. During sprint planning, the stories were estimated and prioritized in the following order:  
Story A\_4Story Points Story B\_2Story Points Story C\_3 Story Points Story D\_2Story Points  
Which stories should the team include in Sprint 1, without splitting the stories?

- A. Stories A, C, and D
- B. Stories A, B, and C
- C. Stories A, B, and D
- D. Stories B, C, and D

**Answer:** C

#### NEW QUESTION 93

Which of the following is part of the 12 practices defined in eXtreme Programming (XP)?

- A. Risk management
- B. Small releases
- C. Project management
- D. Project charter

**Answer:** B

#### NEW QUESTION 94

Risk exposure is the:

- A. Funds set aside to contain the risk.
- B. Probability a risk will occur.
- C. Amount of money the risk will cost if it occurs.
- D. Amount of damage to the project if the risk occurs.

**Answer:** A

#### NEW QUESTION 97

For a critical project, a new team has been formed from various departments. The project manager should start team building by:

- A. Creating a project charter, documenting roles and responsibilities of each member, and sending it to the team members.
- B. Taking the team offsite for icebreaker sessions and other activities to ensure team members get to know each other.
- C. Assembling the team and discussing roles and responsibilities of each member on the team.
- D. Assembling the team and asking the members to achieve a milestone in a small iteration.

**Answer:** C

#### NEW QUESTION 100

In a vision meeting, the vision for the project is defined and presented by the:

- A. management
- B. project manager
- C. customer
- D. project team

**Answer:** C

#### NEW QUESTION 102

Scrum practices are facilitated by the:

- A. ScrumMaster.
- B. Product Owner.
- C. Project Sponsor.
- D. Scrum team.

**Answer:** A

#### NEW QUESTION 105

The best reason for extreme character personas in writing user stories is to:

- A. Identify errors in product design and testing.
- B. Help identify user stories that would otherwise be missed.
- C. Provide precision to support vague user concepts.
- D. Provide value to the Sprint planning session.

**Answer: B**

**NEW QUESTION 106**

The most powerful capability of Scrum teams is that they:

- A. Work in timeboxed sprints.
- B. Are self-organized and empowered.
- C. Work from a prioritized backlog.
- D. Value individuals and interactions.

**Answer: B**

**NEW QUESTION 107**

Which of the following is a list of capabilities, features, and stories that the Product Owner has identified?

- A. Burndown chart
- B. Story card
- C. Vision document
- D. Backlog

**Answer: D**

**NEW QUESTION 109**

A common reason that a story may not be estimable is that the:

- A. team lacks domain knowledge.
- B. business needs are prioritized over the system design.
- C. developers do not understand the tasks related to the story.
- D. team has no experience in estimating.

**Answer: A**

**NEW QUESTION 113**

Spike solutions are appropriate when:

- A. the business requirements are vague or inadequate for an iteration.
- B. a technology is understood well and has been used for a while, but needs a problem to be debugged.
- C. there is insufficient time to refactor, but there is a need to resolve a specific problem.
- D. a specific technicalQUESTION NO:needs to be answered, stopping work on the spike as soon as it answers that question.

**Answer: D**

**NEW QUESTION 115**

Collaboration can be defined as working together to jointly produce a deliverable or make a decision, whereas coordination is:

- A. Agreeing on a due date.
- B. Sharing information.
- C. Agreeing on the design.
- D. Pair programming.

**Answer: B**

**NEW QUESTION 117**

Which management style does Agile advocate?

- A. Task
- B. Team
- C. Product
- D. Performance

**Answer: B**

**NEW QUESTION 121**

Who is responsible for the "definition of done"?

- A. The team
- B. The Product Owner
- C. Management
- D. Project manager

**Answer:** A

**NEW QUESTION 126**

In a Lean Software Development environment, the Project Leader strives to eliminate:

- A. Work in Process (WIP) and bugs.
- B. Delays and building what is not needed.
- C. Defects and features with low value stream values.
- D. Poor requirements and changing scope.

**Answer:** C

**NEW QUESTION 131**

In a Lean project environment, visual controls:

- A. Can be used by management for communicating specific corrective direction.
- B. Are easy to use, reflect the team's progress, and show the team what to do next.
- C. Are helpful while the team is forming but are less important for more experienced teams.
- D. Should be kept to a minimum to avoid distracting the team from high-value activities.

**Answer:** A

**NEW QUESTION 133**

Which tool allows the Product Owner to focus on providing the greatest value and Return on Investment (ROI) to the organization?

- A. Burn up chart
- B. Product Backlog
- C. Affinity estimate
- D. Cost Benefit Analysis (CBA)

**Answer:** B

**NEW QUESTION 138**

Which term best describes an Agile project's approach to risk analysis?

- A. Regression
- B. Pareto
- C. Qualitative
- D. Monte Carlo

**Answer:** D

**NEW QUESTION 139**

When are acceptance tests typically written for a user story?

- A. After coding the story, but before user acceptance testing begins
- B. After writing the story, but before coding begins
- C. At the start of Product Backlog prioritization planning
- D. After estimating the Product Backlog, but before Sprint planning begins

**Answer:** C

**NEW QUESTION 144**

How is the participatory design process characterized?

- A. A well-planned and well-documented process is documented for each of the iterations in the project.
- B. Users including project team members participate in the planning process for the project plan.
- C. End users participate and assist in the design process from the beginning of the project.
- D. A high level brainstorming process is conducted for the project team and the project sponsor.

**Answer:** C

**NEW QUESTION 145**

What is the ideal approach for an Agile project manager to take when considering fractional assignments?

- A. Do nothing, as fractional assignments will not impact project performance.
- B. Allow resources to be assigned to no more than two projects at a time.
- C. Only allow nonessential resources to be fractionally assigned.
- D. Avoid them and have resources assigned to only one project at a time.

**Answer:** D

**NEW QUESTION 149**

The key elements of a user story in Agile development are:

- A. a written description, the story points estimate, and the planned release.
- B. conversations about the story, a written description, and success criteria about the story.
- C. the story points estimate, conversations about the story, and an agreed priority.
- D. tests to determine when the story is done, a written description, and the planned release.

**Answer: B**

**NEW QUESTION 152**

Estimating costs for an Agile project starts with which of the following types of meetings?

- A. Project Retrospective
- B. Steering Committee
- C. Release Planning
- D. Sprint Planning

**Answer: C**

**NEW QUESTION 157**

In Agile projects, how are planning outputs shared with stakeholders?

- A. Using the most highly visible method possible
- B. On a need-to-know basis depending on role
- C. According to the project communications plan
- D. Through a series of stakeholder meetings

**Answer: A**

**NEW QUESTION 158**

Agile communication is effective because:

- A. release and iteration planning keep team members aligned, daily synchronization eliminates confusion, and iteration demonstrations keep the team focused on deliverables.
- B. Agile communication methods focus on detailed, written requirements and specifications that are more complete and allow the team to manage change more effectively.
- C. the use of charts and diagrams over written reports creates clear, targeted communication, and customer involvement in monthly reviews eliminates changes in requirements.
- D. daily iteration planning allows change to be managed, and weekly standup meetings ensure that impediments are quickly identified and effectively managed or removed.

**Answer: A**

**NEW QUESTION 163**

eXtreme Programming (XP) teams strive to avoid:

- A. Incremental design and architecture.
- B. Pair programming.
- C. Manual regression testing.
- D. Test-Driven Development (TDD).

**Answer: C**

**NEW QUESTION 168**

Agile project development processes typically:

- A. Encapsulate analysis, design, code, and test within an iteration.
- B. Document each business process individually and in detail.
- C. Use a Gantt chart with well-defined activities, responsibilities, and time frames.
- D. Map the iteration backlog to a Work Breakdown Structure (WBS).

**Answer: A**

**NEW QUESTION 170**

What do project reports show during the Sprint review meeting?

- A. Estimates compared to the baseline
- B. Actual results to the plan
- C. Return on investment (ROI)
- D. Earned value measurement (EVM)

**Answer: C**

**NEW QUESTION 171**

What is one of the benefits of incremental delivery?

- A. Value is delivered more quickly, as software can be released after every iteration.

- B. More customers can be handled simultaneously, as each regularly receives a delivery.
- C. Fewer bugs are introduced, as code is delivered to users more frequently.
- D. Costs are reduced, as less verification is required to regression test each iteration.

**Answer:** A

**NEW QUESTION 173**

What are three processes used to begin an Agile project?

- A. Iterations, Product Road map Planning, and Number of Sprint Iterations
- B. Visioning, Product Roadmap Planning, and Product Backlog Definition
- C. Visioning, Product Backlog Definition, and Project Charter Creation
- D. Burndown chart, Product Roadmap, and sprints'length

**Answer:** B

**NEW QUESTION 177**

What key benefits might stakeholders realize from an Agile approach?

- A. The ability to bypass the change-management process, inserting new requirements and changes directly into the team as they meet daily
- B. The early and continuous delivery of valuable software, providing increased visibility and the opportunity for more frequent adjustments
- C. Increased access to the project and less reliance on formal reports and status meetings to better understand the current work and the risks the team is accepting
- D. The team's flexibility to make changes mid-iteration as business needs or priorities change, increasing the ability of the team to meet project commitments

**Answer:** B

**NEW QUESTION 179**

The Kaizen philosophy is change:

- A. For the better.
- B. Driven by process improvement.
- C. Driven by teams.
- D. For small groups.

**Answer:** D

**NEW QUESTION 181**

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