Agile History and Values Quiz Explanations

1. Which statement would NOT be a reasonable conclusion regarding the evolution of the Waterfall model?

   - The Waterfall model is obsolete and no longer relevant today

   - The Waterfall model added structure and discipline to a development process

   - The Waterfall model became particularly important as a means of scaling large, complex projects

   - By providing a way of systematically managing and tracking requirements all the way through the development process to final testing, the Waterfall process provided a way to significantly improve project quality over adhoc, unstructured development processes

   Explanation:
   The first answer is a false statement; therefore, it is the correct answer - The Waterfall model is not obsolete. It is still used in industries such as construction that are heavily plan-driven and require predictability and control over costs and schedule

   The second answer is a true statement; therefore, it is not the correct answer - Prior to the Waterfall model, there was a need for discipline and structure to improve project quality and improve the ability to scale large projects

   The third answer is a true statement; therefore, it is not the correct answer - without a more structured and disciplined way to manage large, complex development efforts it is difficult to scale a project

   The third answer is a true statement; therefore, it is not the correct answer - This statement is correct - the Waterfall model provides a way of ensuring "traceability" of requirements all the way through the project including testing and acceptance which will normally result in improved quality.

2. Joint Application Design (JAD) and Rapid Application Development (RAD) are examples of some of the approaches from the 1980's and 1990's that ultimately led to the development of Agile

   - True
   - False

   Explanation: JAD and RAD are two models that became popular in the 1980's and 1990's that ultimately influenced the development of Agile.

Agile History and Values Quiz Explanations

3. The Agile Manifesto was created in 2001 to synthesize the values and principles behind a number of different Agile approaches that had been developed up until that time

   - **True**
   - False

   Explanation: This statement is true – Prior to the Agile Manifesto in 2001, there was a proliferation of different Agile methodologies that had evolved and the Agile Manifesto synthesized many of the basic values and principles that were common to those methodologies

4. An important Agile Manifesto value is that processes and tools are not consistent with an Agile approach

   - True
   - **False**

   Explanation: This statement is false. The Agile Manifesto value is "Individuals and interactions over processes and tools" and it's important to recognize that all of the value statements are meant to be relative statements and not absolutes. For that reason, it would be incorrect to conclude that "processes and tools are not consistent with an Agile approach"

5. Agile development puts an emphasis on creating an environment that is based on empowered teams in order to encourage innovation and creativity

   - **True**
   - False

   Explanation: This statement is true. An important reason for creating empowered teams is that it is essential for projects that require creativity and innovation

6. One of the major problems associated with an over-reliance on documentation is that it can inhibit normal communications

   - **True**
   - False

   Explanation: This statement is true. One of the major problems associated with an over-reliance on documentation is that it can inhibit normal communications

Agile History and Values Quiz Explanations

7. It is not possible to have a contract with a customer in an Agile environment

   - True
   - **False**

   Explanation: This statement is false. The Agile Manifesto Value is "Customer Collaboration over contract negotiation"; however, it is important to recognize that all Agile Manifesto values are meant to be relative and not absolute. Therefore, it is very possible to have a contract with a customer in an Agile environment and the contract can be loosely-defined or tightly-defined.

8. It is always very important in an Agile project to define requirements in order to manage customer collaboration

   - True
   - **False**

   Explanation: This statement is false. The Agile Manifesto Value is "Customer Collaboration over contract negotiation". Making that work typically requires a spirit of trust and partnership with the customer rather than relying heavily on well-defined detailed requirements.

9. An Agile approach emphasizes creating an environment that is designed to be responsive to changes in order to optimize the value of the product that is ultimately delivered to the customer

   - **True**
   - False

   Explanation: This statement is true. The Agile Manifesto Value is "Responding to change over following a plan". That is one of the most important values in an Agile approach.

10. An important consideration with all Agile values is that they are intended to be relative statements and not absolutes and it requires judgment to interpret them in the context of the situation

    - **True**
    - False

    Explanation: This statement is true. A very important characteristic of all Agile Manifesto values is that they are intended to be relative statements and not absolutes and they have to be interpreted in the context of the situation.

11. Which Agile Manifesto Value would be most relevant to this situation:

A Scrum Master insists on rigid compliance with a well-defined process for performing Scrum

- Working software over comprehensive documentation
- Individuals and interactions over processes and tools
- Customer collaboration over contract negotiation
- Responding to change over following a plan

Explanation: The second answer is most relevant to this situation. Processes in an Agile environment are meant to be adaptive. Therefore, it is normal to adapt the processes to fit a given situation if necessary.

12. Which Agile Manifesto Value would be most relevant to this situation:

A customer has requested a project team to submit a fixed-price bid on a large Request for Proposal (RFP)

- Individuals and interactions over processes and tools
- Working software over comprehensive documentation
- Customer collaboration over contract negotiation
- Responding to change over following a plan

Explanation: The third answer is most relevant to this situation. If a customer has requested a fixed price bid on a request for proposal (RFP) an appropriate response might be to try to negotiate the situation with the customer to convince the customer that it might be better to enter into a more collaborative type of relationship.

13. Which Agile Manifesto Value would be most relevant to this situation:

A customer realized in the middle of a project that what was being built will not really meet his needs and a very different solution is more appropriate; however, the new approach will significantly increase the cost and schedule for completing the effort

- Individuals and interactions over processes and tools
- Working software over comprehensive documentation
- Customer collaboration over contract negotiation
- Responding to change over following a plan

Explanation: The fourth answer is most relevant to this situation In this situation, an appropriate response might be to make the customer and business sponsor aware of the impact of the change and if the customer and business sponsor agrees that it is the right thing to do, go ahead and implement the change.