Day 41

DIY

DIY Questions:

1.Alice works in an organization that follows the Agile methodology in its software development process. As the workload increases on her, the organization has decided to hire another person to help Alice with her tasks. Bob is hired in this procedure. Alice started explaining to him the importance of having the product backlog. Now, which of the following statements about the characteristics of the product backlog are correct?

a)Only a single team will work on a single product backlog

b)Ranking of features is done based on business value, technical value, risk management, or strategic fitness.

c)Product backlog helps in planning the roadmap for the product

d)The lowest ranking items are decomposed into smaller stories during release planning so they can be completed in future iterations.

Ans:

**b)Ranking of features is done based on business value, technical value, risk management, or strategic fitness.**

**c)Product backlog helps in planning the roadmap for the pr**

2.You have a team consisting of 24 developers. Which of the following approaches must be implemented if you need to work on a project while following the Agile methodology of project development

a)Divide the team into two teams with 12 members each, and each team should have its own scrum meeting daily

b)Have daily stand-up meetings with all 24 people so that everyone knows about all aspects of the project

c)Divide the team into 8 smaller teams with 3 members in each team but have a single scrum meeting with all 24 members attending it.

d)Divide the team into 4 teams with 6 members each and keep 4 different scrum meetings

Ans:

**d)Divide the team into 4 teams with 6 members each and keep 4 different scrum meetings**

3.An Agile team is working on a software development project. The team is running behind schedule because one of the user stories in the iteration backlog is taking longer time than expected in the iteration planning meeting. Overall, they have completed less number of story points and cannot match the expected velocity by the end of the iteration. Which of the following approaches can help the team overcome the delay?

a)Proceed normally with the iteration and complete as many user stories as possible in this iteration.

b)Proceed in the normal manner with the iteration and create a risk-based spike to reduce the risk of not completing the iteration as planned.

c)Terminate the iteration and work in a manner to remove the accumulated technical debt.

d)Remove the user story from the current iteration backlog that was not estimated properly

Ans:

**a)Proceed normally with the iteration and complete as many user stories as possible in this iteration.**

4.An organization wants to improve its competitive edge by moving away from traditional waterfall methods. This process is getting executed so that engineers and developers no longer face delays because of repetitive activities that are highly dependent on the completion of other tasks. Which of the following will be the best method toincrease the organization’s ability to deliver applications and services faster?

a)Agile

b)Continuous integration in agile

c)DevOps and the CI/CD pipeline

d)DevOps

Ans: **c)DevOps and the CI/CD pipeline**

5.Ben is working on an application. After completion, his team is required to test the application; as per the client's request, they have used the agile approach for testing but don't know enough about it. Then help them to find which of the following is/are correct about the above-mentioned approach?

a)This methodology involves testing as early as possible in the SDLC.

b)Identifying the risk comes under the construction iteration stage of this testing methodology.

c)Infrastructure consideration is one of the test plans for this testing methodology.

d)Pair testing comes under Quadrant 1 in this testing methodology

Ans:

**a)This methodology involves testing as early as possible in the SDLC.**

**c)Infrastructure consideration is one of the test plans for this testing methodology.**

6.Which SDLC model is best and Why?

Ans:

Agile is often considered the best SDLC model due to its flexibility, adaptability to changing requirements, emphasis on customer collaboration, early and frequent delivery of working software, continuous improvement, effective communication and collaboration, risk mitigation, transparency, and empowerment of teams.

Unlike traditional waterfall models, Agile allows for changes in requirements and priorities throughout the development process. It emphasizes customer collaboration, involving them in the development process through regular feedback and iterations.

Agile promotes early and frequent delivery of working software, enabling organizations to respond quickly to market demands and gain a competitive edge. By breaking the project into smaller iterations or sprints, Agile allows for incremental delivery of valuable features, providing value to customers sooner.

7.What are the obstacles to the Agile process?

Ans:

agile process faces obstacles such as :

Lack of appropriate and sufficient tool and technologies

The absence of active involvement from the customers

The team members are lacking in the skills and capabillity

Being unable to design systems based on unseen requirements