Q 1 - What is an agile or agile methodology?

Agile is software development methodology where we can build software using short time or sort iteration of less time so the development process is changing the need of a company business.

Q 2 - Agile Methodology principle?

In agile methodology there are twelve principles, in below we are describing each of them.

**I) Customer Satisfaction: -** in any company we have to high priority to satisfy the customer requirement. Through this requirement we can deliver valuable software to the customer.

**II) Welcome Change: -** during the software development is common and inventible. When the changes are needed requirement should be welcome, even in the late development phase. Agile process work to increase the customer’s competitive advantage.

**III) Deliver the working software: -** Deliver the working software frequently from a couple of weeks to a couple of months with a preference of shorter timescale.

**IV) Collaboration: -** Business people and developers must work together daily throughout the project like a team. This type of environment makes each team member responsible for getting the job done thoroughly.

**V) Motivation: -** projects should be built around motivated team members. Provide such environment that support each individual team member and believe them to get the job done.

**VI) Face to face conversation:-** Face to face conversation between development team and the scrum master and between the scrum master and the customers for most efficient methods to conveying information within a development team.

**Vii) Measure the progress as per the working software:-** Working software is the primary key and the primary measure of progress.

**Viii) Maintain constant pace: -** The aim of agile is development is sustainable development. All the businesses and users should maintain a constant pace with the project.

**IX) Monitoring: -** Continuous attention to the technical excellence, good design to maximize agility.

**X) Simplicity: -** Keep things simple and use simple terms to measure the work that is not completed.

**XI) Self- Organized teams:-** The agile team should be self- organized. They should not depend heavily on other teams because the best architectures, requirements, and designs emerge from self- organized teams.

**XII) Review the work regularly:-** The work should be reviewed at regular intervals, so that the team can reflect on how to become more productive and adjust its behavior accordingly.

Q 3 - What are advantages and disadvantages of Agile Process?

**ADVANTAGES:-**

1. Customer satisfaction is rapid, continuous development and delivery of useful software.

2. Customer, Developer and Product Owner regularly to emphasize rather than processes and tools.

3. A face-to-face conversation is the best from the communication.

4. It continuously gave attention to technical excellence and good design.

5. Regular adaption to changing customization.

6. Even late changes in requirements are welcomed.

**DISADVANTAGES:-**

1. In small development projects it is not useful.

2. There is a lack of intensity on necessary designing and documentation.

3. Cost of agile development methodology is slightly more comparing then other development methodology.

4. The project can quickly go out of track if the project manager is not clear about requirements and what outcome he/ she want.

Q 4 - What do you mean by Daily Stand-Up meeting?

A daily stand-up meeting is a Short organizational meeting that is held each day. The meeting generally limited to between five and thirty minutes long, is sometime referred as a stand-up or a daily scrum.

The purpose of the meeting is for each team member to answer the some question like what will you do today, what difficulties face etc.

Q5 - What is the difference between Agile and Scrum?

The key difference between the Agile and Scrum is that while agile is a project management philosophy that utilizes a core set of values or principles, Scrum is a specific agile methodology that is used to facilitate a project.

There are also other notable difference between Agile and Scrum.

1. Agile is philosophy, whereas Scrum is a type of Agile methodology

2. Scrum is broken down into shorter and smaller deliverables, while in Agile delivered at the end of the project.

3. Agile involves member from various cross-functional teams, while a Scrum project team includes specific roles, such as the Scrum Master and product Owner.

Q 6 - What is a Sprint Planning Meeting, Sprint Review Meeting and Sprint Retrospective Meeting?

**Sprint Planning Meeting**

A sprint planning meeting is when the team (includes the Scrum Master, Scrum Product Manager, Scrum Team) meets to determine which backlog items will be handled in the next spinet. Like any meeting, this meeting agenda to keep the team focused. In every sprint planning meeting discuss about ultimate objective of the sprint of the team and the team capacity.

**Sprint Review Meeting**

A sprint review meeting is inspects outcomes of the task and determine the future adaptations if any.

**Sprint Retrospective Meeting**

The Sprint Retrospective Meeting is a recurring meeting held at the end of a sprint used to discuss what went well during the previous sprint cycle and what can be improve the next sprint.