

QUESTION BANK

UNIT I & II

AGILE METHODOLOGY

1. What do you mean by Agile methodology?

Answer: The Agile method may be interpreted as a distinct project management method that is employed for the objective of software development. This method helps the teams to respond to software uncertainty. It makes the use of sprints (a thriving, increasingly sequential stint sequence). In simple terms, agile methodology is a kind of project management strategy primarily utilized for software advancement where the necessities and antidotes alter through the collective endeavour of the self-systematized and specialized teams of the clients.

Note- This question is very important and falls among the mostly asked agile methodology interview questions.

2 . Distinguish between agile methods and schematic methods.

Answer: Agile methods are famous for software development, whereas schematic methods encompass the advancement of software with the help of autonomous teams, producing code after the completion of each iteration/sprint.

3. What do you mean by Agile?

Answer: It is a duplicating process of project supervision and software advancement that promptly assists the teams in bringing value to their clients. The testing of the demands, plans, and consequences is regularly done.

Agile may be defined as the potential to produce and concede to change. It may also be described as the means of braving and achieving victory in an unstable and turbulent environment.

4.What are the common things among all Agile frameworks?

Answer: The life cycle of any agile software development yields 4 values and twelve tenets that are specified in agile phenomena operating agile. The central common objective of agile frameworks like Scrum, Kanban, and XP is being eligible to alter the method after beginning the commodity as per the statute. Every agile framework obeys the add-on method. Also, the project details may be altered during the software advancement process. Besides, all the agile framework consists of a restricted, reasonable iteration size, a convenient strategy, and repeating and improving advancement.

Note- This question, among other agile interview questions, is noteworthy.

5. Explain the meaning of Agile testing.

Answer: It is a testing procedure that pursues the rapid software advancement's statutes and doctrines. Agile testing policy endorses DevOps, and also persistent testing as supplementary testing is necessary for the improvement of merchandise quality. In the agile testing technique, examinations are prioritized for avoiding any problem or issue that a user can face later.

6. In agile, what do we mean by sprint?

Answer: Sprint may be interpreted as a quick time-eating duration during which a scrum squad operates for completing a previously decided proportion of work. Its objective is, cracking the undertaking into levels with the help of a bite scale.

7. What do you mean by yesterday's climate in the case of an agile program?

Answer: Yesterday's weather or Yesterday's climate is a term for XP for keeping the squads from becoming extremely complacent at the time of galloping and batting moments.

8. Mention some of the agile estimation schemes.

Answer:

- Poker Editing
- Vote for Dot
- Bucket System
- Affinity Map
- Big/ Uncertain / Small
- T-shirt Sizes
- Order Protocol

9. In what way does an agile team retain its needs?

Answer: Agile team utilizes product backlogs for defending their necessities.

10. What does user story mean in agile?

Answer: By user story, we mean the minor work unit of the agile frame. The user story is the absolute objective. It is not the characteristic conveyed in the stoner's opinion on the software.

11. Who is accountable for tracking the assignments in an agile squad?

Answer: The consumer or merchandise proprietor is accountable for it.

12. Discuss the advantages of scheming an agile program.

- great quality output
- higher consumer gratification
- raised program restraint
- curtailed threats
- fast forward ROI

13. What is the only definitive source of knowing what the squad is working on?

Answer: Product backlogs are such a definitive source of knowing what the squad is working on.

14. What do the User relationships estimating team members encompass?

Answer: They encompass the owner of the merchandise, Master of the scrum, testers, investment managers, and engineers.

15. What are the winning features of agile?

Answer:

- flexibility
- intercourse
- directness
- elimination of outcomes

16. Define Scrum in Agile.

Answer: To crack the testing interview questions, you must know the meaning of scrum in agile. Scrum may be specified as a strategic framework employed to tackle product improvement and additional communication jobs. A scrum is considered influential as it enables the teams to formulate an inkling of how something functions, attempt it out, assess what went on, and make sufficient adjustments. Only then the framework is utilized perfectly.

Note- The scrum-related agile interview questions are very vital. They are mostly asked in the agile interview.

17. What is the role of agile scrum?

Answer: An agile scrum formulates beneficial intercourse between crews functioning on intricate merchandise

18. Scrum framework deals with what kind of problems?

Answer: Scrum framework deals with complex & ever-changing issues.

19. What are the 4 main facts related to the agile manifesto?

Answer: The 4 main facts are:

- Individuals and communications with the help of techniques and tools
- Software accomplishment in extension to the detailed documentation
- Interactions with the customers with the help of pact negotiations
- Countering alterations as per the strategy

20. What do you mean by agile software development?

Answer: Agile software development is a software procedure where design and performance are deemed main tasks. The layout and implementation phases, furthermore, integrate additional tasks like facilitating needs and experimenting into them.

Besides, It is more observant on coding expansion than on content. It has 2 developmental agendas:

a) Group A developmental agenda:

- I. requires integration and assessment- one and half months
- II. policy design- two months
- III. coding stage- four months
- IV. network integration & testing- two months
- V. User acknowledgement examination- five weeks

b) Group B developmental agenda:

As this agenda is agile, the undertaking is broken into numerous levels. Reduplication is everything about the exact time. After each iteration ends, strong merchandise along with a modern characteristic must be inducted.

21. Name one of the famous tools that are employed for agile software advancement.

Answer: Atlassian Jira is a famous tool that is employed for agile software advancement.

22. What is a Product Backlog?

Answer: When agile squads maintain their necessities afloat even after plummeting backward, it is known as Product Backlog in Scrum.

23. What is the function of the product backlogs?

1. It contains a list of recent features
2. It changes the prevailing features

3. It fixes the bugs
4. Transforms the infrastructure

24. What is pair programming?

Answer: Pair programming is a communal endeavour of the team where a programmer jots down the code while another one evaluates it.

PART – B

1. Explain in detail about Iterative and Evolutionary method.
2. Explain in detail about Agile development.
3. Explain in detail about Agile methodology.
4. Explain in detail about the problems with Waterfall Model.
5. Explain in detail about agile motivation.
6. Explain in detail about the life cycle of scrum phases, work product and roles