**Quiz 2**

Question 1-10

1. What are the three main objectives of agile software engineering?
2. Continuous Innovation
3. Improved time-to-market
4. People and process adaptability
5. What is incremental development and delivery?

Incremental development is about working on the important features of a system, each feature does something for the user. The features are implemented at different version and each version is fully functional, each version is built upon the previous version.

1. List five of the agile development principles.

Five agile development principles are:

1. Customer satisfaction by rapid delivery of useful software
2. Welcome changing requirements, even late in development.
3. Working software is delivered frequently (weeks rather than months)
4. Working software is the principal measure of progress.
5. Sustainable development, able to maintain a constant pace.
6. What are the most widely adopted Extreme Programming practices?

The most widely adopted XP practices are:

* Test-first development
* Refactoring
* Small releases
* Continuous integration
* Incremental planning

1. How are XP teams managed?

XP teams are managed in teams . All the members of the team regardless of their position is respected for their contribution. ‘There is an all for one and and one for all ‘,moto.

1. What is Scrum?

Scrum is an agile methodology that makes use of collaboration and breaks down large projects. into small manageable parts to be worked on by teams’ members to deliver a full function solution in a short time frame. It makes use of transparency, collective accountability, and continuous progress.

1. What is the principal responsibility of the Product Owner in a Scrum team?

The product owner is responsible for identifying product features and attributes. They review work and help to test the products.

1. What is a ‘potentially shippable product increment’?

A potential shippable product increment is the output of a sprint that is good enough quality to be used by the customers.

1. List five benefits of using Scrum.

Five benefits of using scrum are:

* Unstable requirements do not hold up progress.
* The product is broken down into a set of understandable chunks that stakeholders can relate to.
* Customers see on-time delivery of increments and gain feedback on how the product works.
* Team communication is improved because everyone can see everything.
* Trust between customers and developers is established and a positive culture is created.

1. What are the principal product backlog activities in Scrum?
   * Refinement
   * Estimation
   * Prioritization
   * Creation