Subject: Elective –II   AY 2017-18 Part II

Question Bank

Unit 1

Q.1 Define agility in software development.

Q.2 Differentiate between Waterfall & Agile model.

Q.3 Write the values of agile manifesto and principles.

Q.4 Explain any five practices that are used in extreme programming.

Q.5 Explain five principles of lean software development.

Q.5 Explain the process of Feature Driven Development with neat labeled diagram.

Q.6What is TDD? Explain the steps of TDD.

Unit 2

Q.1How agile estimation & planning is done. Explain planning poker.

Q.2 What is the difference between Epic, task and the user story.

Q.3 Explain scrum with neat labeled diagram.

Q.4 Explain product backlog and sprint backlog.

Q.5 Explain the following meetings of scrum.

　　　1)Sprint Planning 2)Sprint Review 3)Sprint Retrospective 4)Daily Scrum

Q.6 Explain the characteristics and the contents of user story with example.

Q.7 Explain different roles in Scrum.

Unit 3

1) List out and explain the impacts of testing on agile lifecycle?

2) Define Test Driven Development?

3) Explain xUnit Framework in detail with suitable examples?

4) Explain in **Detail** following Test Strategies in context of Agile :

   a. Unit and Integration Testing

   b. Regression Testing

   c. Exploratory Testing

   d. Risk Based Testing

5) Describe the Agile Testing cycle?

6) What is User Story? How to test User Story?

7) Write a program for calculating and displaying area of different shapes like circle, square etc. in JAVA. Follow the Test Driven Development and write test cases for each and every method that you will design using JUNIT to achieve Unit Testing.

Unit 4

Q.1 Explain the symptoms of bad software design write the statement of SRP & ISP.

Q.2 What is the role design principles in agile?Explain.

Q.3 Explain LSP with suitable example.

Q.4 Explain OCP with suitable example.

Q.5 Explain DIP with suitable example.

Unit 5

Q.1 What is Refactoring?Explain any five refactoring techniques

Q.2 Explain the process of continuous integration with suitable example.

Q.3Explain any one automated build tool.

Q.4 What is Version control .Explain its significance in agile.

Unit 6

1. Justify ,Agile enriches ALM.

2. Explain the challenges in Agile

3. What is the role of agile in distributed team?

4. Explain balancing agility with discipline.

5. List out the business benefits of Agile.

Subject Teacher

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