

Exam.Code:0925

Sub. Code: 6891

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1079

B.E. (Information Technology)

Seventh Semester

ITE-754: Agile Software Development

Time allowed: 3 Hours

Max. Marks: 50

*NOTE: Attempt five questions in all, including Question No. 1 which is compulsory and selecting two questions from each Unit.*

x-x-x

I. Answer the following:-

- a) Name any four SDLC models.
- b) Define verification and validation
- c) What is velocity tracking?
- d) Explain design smell.
- e) Name any two tools used for agile project management. (5x2)

**UNIT – I**

- II. Difference between agile software development and waterfall software development. (10)
- III. Explain SRP (Single Responsibility Principle) and ISP (Interface Segregation, Principle) with diagram. (10)
- IV. a) Explain dependency inversion principle.  
b) Explain sprint planning meeting, daily scrum meeting, sprint review meeting and sprint retrospective meeting. (2x5)

**UNIT – II**

- V. Explain in detail TDD and BDD with diagram. (10)
- VI. Explain enterprise agile framework. Also explain what are the challenges of scaling agile? (10)
- VII. a) Explain any two agile testing tools in detail.  
b) What are the values, principles and practices of extreme programming? (2x5)

x-x-x