

Exam. Code: 0925
Sub. Code: 6546

2123
B.E. (Information Technology)
Seventh Semester
PCIT 701(d): 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. Explain the following terms:

- a) Scrum
- b) Sprint
- c) Scaled agile framework
- d) Test cases
- e) TDD

(5x2)

UNIT - I

II. a) What are the Goals/Manifesto of agile software development?

b) Explain various challenges faced in agile methodology.

(5,5)

III. How agile design practices are based on SOLID design principles? Explain any one principle with the help of sample code.

(10)

IV. a) Differentiate between product backlog and sprint backlog.

b) Explain various scrum roles that are part of scrum framework.

(5,5)

UNIT - II

V. Explain with the help of diagram how agile delivery framework is used to deliver agile project.

(10)

VI. What are the various stages of agile testing life cycle? How it impacts the quality of agile project.

(10)

VII. What are the various tools used for agile project management? Explain the key features of any one APM tool.

(10)

x-x-x