

2021
B.E. (Information Technology)
Seventh Semester
ITE-742: 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. Attempt the following:-

- a) List down the reasons why refactoring is important.
- b) Why design smells occurs in software?
- c) What is purpose of Sprint Retrospective in Scrum?
- d) Write down the importance of Agile Testing Quadrants.
- e) Define UAT. Why UAT is required in Agile Software development? (5x2)

UNIT – I

- II. a) Define Agile Software Development. Write down *any three* principles of Agile Manifesto.
b) Differentiate between Agile software Development and waterfall model. (2x5)
- III. What is SOLID? Explain it using suitable examples. (10)
- IV. a) What is the role of Scrum events? Discuss Important Scrum Events.
b) Why Extreme Programming is called Extreme? Write down values of XP. (2x5)

UNIT – II

- V. a) Write down advantages of agile for project management
b) Explain any two tools used for Agile Project Management. (2x5)
- VI. How does Agile testing is different from testing done waterfall model? Explain the principle that are important for an agile tester.
- VII. Write major challenges include
 - a) With Agile Project Management
 - b) With Agile Distributed teams. (5,5)

x-x-x