

1059
M.E. Information Technology
Second Semester
MEIT-214: 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. Define the following terms:-

- a) Daily scrum
- b) User stories
- c) Regression test
- d) Refactoring
- e) Sprint

(5x2)

UNIT – I

II. a) Discuss the concept of lean software development.

b) Explain the need of pair programming.

(5,5)

III. a) Explain the agile manifesto.

b) Differentiate between product backlog and sprint backlog.

(5,5)

IV. a) Explain the concept of extreme programming.

b) Explain user stories used in testing.

(5,5)

UNIT – II

V. Explain various agile design practices.

(10)

VI. a) Discuss the role of distributed teams in agile.

b) Discuss various challenges in agile.

(5,5)

VII. a) Explain business benefits of agile software development.

b) Discuss the applications as agile projects on cloud.

(5,5)

x-x-x