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P.E.S. College of Engineering, Mandya - 571 401

(An Autonomous Institution affiliated to VTU, Belgaum)

First Semester, M.Tech - Computer Science and Engineering (MCSE)

Semester End Examination; Jan - 2017

Agile Technologies

Time: 3 hrs

Max. Marks: 100

Note: Answer FIVE full questions, selecting ONE full question from each unit.

UNIT - I

- 1 a. Differentiate between predictable versus incentive projects. Also mention the factors preventing reliable-up-front specifications. 10
- b. With a neat diagram, explain the iterative increment development in detail. 10
- 2 a. Explain the time boxed iterative development with appropriate diagram(s). 10
- b. Explain the Risk driven and Client driven iterative planning. 10

UNIT - II

- 3 a. List any ten Agile principles. 10
- b. Discuss the Agile project management. Also list the nine principles for Agile project manager. 10
- 4 a. List and explain the problems with the waterfall. Explain how these problems are addressed in Agile? 10
- b. Discuss the top five project success factors. 10

UNIT - III

- 5 a. List and explain the common mistakes and misunderstandings of Agile methodology. 10
- b. Discuss the different process mixtures in brief. Give suitable examples. 10
- 6 a. Explain the different adoption strategies. 10
- b. Explain strengths versus other history. 10

UNIT - IV

- 7 a. Explain briefly the 12 core practices of extreme programming (Xp). 10
- b. Explain the life cycle for extreme programming. 10
- 8 a. Write short notes on the following : 10
 - (i) Work products
 - (ii) Roles
 - (iii) Practices.
- b. List the extreme programming values. Also explain how to fail with extreme programming? 10

UNIT - V

- 9 a. List and describe the nine principles of Agile testing. 10
- b. Explain the steps involved in Agile technology testing. Explain each step in detail. 10
- 10 a. Explain concrete practices for testing on Agile team. 10
- b. Discuss the requirements practices of EVO in detail. 10