

CBCS SCHEME

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21CS641

Sixth Semester B.E./B.Tech. Degree Examination, June/July 2025

Agile Technologies

Time: 3 hrs.

Max. Marks: 100

Note: Answer any FIVE full questions, choosing ONE full question from each module.

Module-1

- 1 a. Describe in detail the four Agile Manifesto. (10 Marks)
- b. Outline in detail the 12 principles of Agile methodologies. (10 Marks)

OR

- 2 a. Describe the impact of agile in technical, organizational and personal success. (10 Marks)
- b. Illustrate the role of user stories in agile software by providing comprehensive overview of the characteristics that define well written user stories. (10 Marks)

Module-2

- 3 a. Discuss in detail about XP life cycle. (10 Marks)
- b. List the recommendations for adopting XP and explain in brief. (10 Marks)

OR

- 4 a. How XP practices correspond to traditional phase of software? Justify your answer. (10 Marks)
- b. Identify the prerequisites to adopt XP. Explain with appropriate steps. (10 Marks)

Module-3

- 5 a. Implement strategies to create an informative workspace. (10 Marks)
- b. Analyze the factors that lead to energized work in an XP team. (10 Marks)

OR

- 6 a. How to find root cause and perform root cause analysis. (10 Marks)
- b. Discuss how to conduct an iteration retrospective. (10 Marks)

Module-4

- 7 a. How do you eliminate waste to improve agility? (10 Marks)
- b. How building effective relationships would help in better adoption of agile practices? (10 Marks)

OR

- 8 a. How building process for people help in better adoption of XP? (10 Marks)
- b. Describe how one could know when to break the rules in agile. (10 Marks)

Module-5

- 9 a. Explain how to exploit agility to deliver value? Justify with an example. (10 Marks)
- b. Discuss Universal Design Principles. (10 Marks)

OR

- 10 a. Explain the phenomenon "Only releasable code has value". (10 Marks)
- b. Discuss how delivering, working, valuable software frequently makes your software more reliable. (10 Marks)

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Important Note : 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages.
2. Any revealing of identification, appeal to evaluator and /or equations written eg, 42+8 = 50, will be treated as malpractice.