

Total No. of Questions: 6

Seat No.:

BACHELOR OF TECHNOLOGY (CBCS - 2023)
B. Tech. Sem-V INFORMATION TECHNOLOGY : WINTER: 2025
SUBJECT: AGILE METHODOLOGIES

Day : Thursday
Date : 18/12/2025

W-30781-2025

Time : 02:30 PM-05:30 PM
Max. Marks : 60

NB :

1. All questions are COMPULSORY.
2. Figures to the right indicate FULL marks.
3. Draw neat labeled diagram WHEREVER necessary.

- Q. 1 Describe Feature-Driven Development (FDD) and its Agile characteristics. (10)
OR
- Q. 1 Explain Ethics in Agile Teams and its importance in collaborative development. (10)
- Q. 2 Discuss how Agile Requirements Abstraction Models help in managing changing requirements (10)
OR
- Q. 2 Analyze the role of Requirements Modelling and Generation in Agile projects. (10)
- Q. 3 Explain the Daily Scrum and how it promotes effective communication (10)
OR
- Q. 3 Analyze how Scrum Metrics like Velocity Tracking improve sprint performance (10)
- Q. 4 Explain Agile Design Practices and Role of Design Principles in software adaptability. (10)
OR
- Q. 4 Discuss Agile Quality Assurance and its approach toward continuous improvement. (10)
- Q. 5 Discuss an XP Case Study focusing on collaboration, planning, and product quality. (10)
OR
- Q. 5 Explain XP Practices that enhance communication and reduce technical debt. (10)
- Q. 6 Analyze how Test Automation and Risk-Based Testing improve software reliability. (10)
OR
- Q. 6 Describe how Effective Test Suites are developed and managed in Agile Testing. (10)
