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**21CS641**

### Sixth Semester B.E./B.Tech. Degree Examination, Dec.2024/Jan.2025
## Agile Technology

Time: 3 hrs.                                                                 Max. Marks: 100

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

### Module-1

1   a.   List out the different types of success with a neat sketch and explain the importance of organizational success. **(10 Marks)**
    b.   How technical success and personal success useful for Agile development? Justify in detail. **(10 Marks)**

**OR**

2   a.   What are agile values? What are principles followed behind the Agile Manifesto. **(10 Marks)**
    b.   Explain mastering the art of agile development. **(10 Marks)**

### Module-2

3   a.   With neat diagram explain XP life cycle. **(10 Marks)**
    b.   Discuss the functions of on site customers and programmers. **(10 Marks)**

**OR**

4   a.   What are pre-requisites to practice XP? Discuss. **(10 Marks)**
    b.   Discuss the recommendations for Adopting XP. **(10 Marks)**

### Module-3

5   a.   What is pair programming? Discuss about challenges faced during pairing. **(10 Marks)**
    b.   What is Root-cause analysis? How do you find Root causes? **(10 Marks)**

**OR**

6   a.   List out the type of retrospectives. Explain the four steps of retrospectives. **(10 Marks)**
    b.   What are the techniques XP uses to achieve zero bugs? Explain in detail. **(10 Marks)**

### Module-4

7   a.   How do you improve process by understanding the project and breaking the rules? **(10 Marks)**
    b.   What are XP values? Principles and practices? **(10 Marks)**

**OR**

8   a.   Illustrate the following successful software projects:
        i) Build effective relationship    ii) Let the right people do the right things. **(10 Marks)**
    b.   How do you eliminate waste from your process increase the Agility? **(10 Marks)**

### Module-5

9   a.   How do you justify explicit the agility is related to deliver value? **(10 Marks)**
    b.   Explain only releasable code have value. **(10 Marks)**

**OR**

10  a.   Discuss universal design principles. **(10 Marks)**
    b.   Bring out some conclusions for great design which gives the design quality. **(10 Marks)**

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