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**Presidency University**

**Bengaluru**

**School Of Computer Science and Engineering & Information Science**

**Summer Term End-Term Examinations, Aug 2024**

**Date**: 06.08.2024

**Time**: 1:00 pm – 4:00 pm

**Max Marks**: 100

**Weightage**: 50%

**Odd Semester**: 2023 - 24

**Course Code**: CSE3040

**Course Name**: Agile Structures and Frameworks

**Department: CSE**

**Instructions:**

1. *Read the all questions carefully and answer accordingly.*
2. *Do not write any matter on the question paper other than roll number.*

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| **Q. No** | **Questions** | **Marks** | **CO** | **RBT** |
| 1 | 1. Define User Story. Outline the characteristics that define agile and traditional process. | 4 | CO1 | L1 |
| 1. Describe in detail any 6 tips for Evolutionary Requirement Analysis. | 6 | CO1 | L2 |
| 1. Illustrate Agile Estimation Techniques. | 10 | CO1 | L3 |
| OR | | | | |
| 2 | 1. Explain the Acceptance Criteria for the user scenario: “As an online banking customer, I want strong a strong password, so that my credit card information is secure”. | 4 | CO1 | L1 |
| 1. Describe in detail, your approach to agile estimation in Ideal days. | 6 | CO1 | L2 |
| 1. Illustrate Agile Manifesto through Agile Principles. | 10 | CO1 | L3 |

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| 3 | 1. Define Agile technology, Agile Key values and principles. | 4 | CO2 | L1 |
| 1. Describe in detail the 5 Scrum events. | 6 | CO2 | L2 |
| 1. Illustrate the motivation for Agile development. | 10 | CO2 | L3 |

OR

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| 4 | 1. Define key Scrum Meetings. | 4 | CO2 | L1 |
| 1. Describe Scrum Roles. | 6 | CO2 | L2 |
| 1. Illustrate the problems with Waterfall approach. | 10 | CO2 | L3 |

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| 5 | 1. Explain any 4 activities that you will perform during Refactoring   in XP. | 4 | CO3 | L1 |
| 1. Describe the life cycle of an Evo Agile model. | 6 | CO3 | L2 |
| 1. Illustrate the Agile workflow for Agile Unified process. | 10 | CO3 | L3 |

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| 6 | 1. Define Evolutionary project management and outline the key   features of Evo model. | 4 | CO3 | L1 |
| 1. Describe the life cycle phases of Agile Unified Process. | 6 | CO3 | L2 |
| 1. Illustrate 12 concepts of Extreme Programming. | 10 | CO3 | L3 |

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| 7 | 1. Describe the delivery challenges in Agile. | 4 | CO4 | L1 |
| 1. Describe TDD and its 4 components. | 6 | CO4 | L2 |
| 1. Illustrate the FDD approach for software development and sketch   relevant diagram. | 10 | CO4 | L3 |

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| 8 | 1. Outline 3 ways to measure agile metrics. Give 2 examples. | 4 | CO4 | L1 |
| 1. Explain the 3 best agile project management tools that you   came across in the course curriculum and list their key features. | 6 | CO4 | L2 |
| Illustrate the 8 strategies to implement agile in distributed environment. | 10 | CO4 | L3 |

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| 9 | 1. Describe the 2 ways of Iterative development with examples for each. | 4 | CO1 | L1 |
| 1. Describe in detail Estimation size with Story Points with necessary   examples. | 6 | CO1 | L2 |
| 1. Demonstrate Agile through Smart Agile Objectives. | 10 | CO1 | L3 |

OR

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| 10 | 1. Describe shortly “Standish Group's CHAOS study” for Iterative and Evolutionary research. | 4 | CO2 | L1 |
| 1. Describe Iterative development approach with necessary diagrams. | 6 | CO2 | L2 |
| 1. Sketch the Agile process and Scrum process. Illustrate Scrum with necessary details. | 10 | CO2 | L3 |