Roll No: | | | | | | | | | | | |

PRESIDENCY UNIVERSITY

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Bengaluru

Mid Term Examinations - October 2026

Date: 06/10/2026 **Time:** 11:45 AM - 01:15 PM

Course Code: CSA3424 **Course Name:** Agile Structures and Frameworks

Semester: Fifth Semester **Max. Marks:** 50 **Weightage:** 50%

CO - Levels	CO1	CO2
Marks	44	46

PART A: Answer Following Questions. 10 M

Q.N.	Questions	M	CO	BT
1	Define Agile development and explain its basic purpose.	2	CO1	BT2
2	What is meant by an iterative development approach?	2	CO1	BT2
3	Why is communication important in Agile development?Explain.	2	CO2	BT2
4	What are Acceptance criteria? Explain why are they important?	2	CO2	BT2
5	Discuss the main benefits of Time Boxing in Scrum.	2	CO2	BT2

PART B : Answer Any 1 Following Questions. 10 M

Q.N.	Questions	M	CO	BT
6	Discuss the concept of Agile development in detail. Explain its characteristics, objectives, iterative nature, and importance in modern software development.	10	CO1	BT2
7	Discuss the Agile Manifesto values and principles in detail**.** Explain how these values and principles influence the way software development teams work.	10	CO1	BT2

PART C: Answer Any 1 Following Questions. 10 M

Q.N.	Questions	M	CO	BT
8	Discuss the project's risk profile in the waterfall model and explain the impact of discovering the error at this stage.	10	CO2	BT3
9	Explain the Scrum lifecycle in detail. Describe how a project progresses from the Product Vision and Product Backlog through Sprint Planning, Sprint Execution, Daily Scrum, and Sprint Review.	10	CO2	BT2

PART D: Answer Any 1 Following Questions. 10 M

Q.N.	Questions	M	CO	BT
10	Describe the different phases of the Waterfall lifecycle. Explain how the output of one phase becomes the input for the subsequent phase.	10	CO2	BT2
11	Explain how requirement changes are handled in Agile and Waterfall lifecycles. Discuss the impact of changes on cost, schedule, development, and testing in both approaches.	10	CO2	BT2

PART E: Answer Any 1 Following Questions. 10 M

Q.N.	Questions	M	CO	BT

PTO (Please Turn Over)

12	Explain the major Scrum work products in detail. Discuss the Product Backlog, Sprint Backlog, and Increment, and explain their purpose in Scrum development.	10	CO1	BT2
13	A team has a Product Backlog with 50 user stories. Explain how the Product Owner and Developers can collaborate to select appropriate items for a Sprint and create the Sprint Backlog.	10	CO1	BT2