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## School of Computing Science and Engineering

Bachelor of Science in Computer Science  
Semester End Examination - Nov 2023

Duration : 180 Minutes  
Max Marks : 100

### Sem V - E1UA503B - Agile Methodology

General Instructions

Answer to the specific question asked

Draw neat, labelled diagrams wherever necessary

Approved data hand books are allowed subject to verification by the Invigilator

- 1) When discussing Agile methodologies, what framework places a strong emphasis on iterative development, continuous feedback, and adapting to changing requirements throughout a project's lifecycle? K1 (2)
- 2) Describe the role of requirements management in maintaining alignment between evolving business goals and Agile development. K2 (4)
- 3) How would you apply knowledge management techniques to facilitate the transfer of expertise between team members in a multinational company? K2 (6)
- 4) How Test Driven Development beneficial to guide the development of a new software feature? K3 (9)
- 5) How would you apply various testing techniques to ensure the quality of a software application in an Agile project? K3 (9)
- 6) In discussions surrounding Agile project success, how might the role of test automation be evaluated as a dual-purpose tool that not only enhances agility but also contributes to the attainment of high-quality software through faster feedback cycles, efficient regression testing, and improved overall development efficiency? K5 (10)
- 7) Can you share insights into how Agile testing practices, known for their iterative nature, compare with the traditional waterfall-style testing approach when it comes to managing and testing changes in project requirements? K4 (12)
- 8) Assess the impact of effective Scrum Master facilitation on team productivity and collaboration. K5 (15)
- 9) Evaluate the benefits of conducting Retrospective meetings regularly throughout a project's lifecycle. K5 (15)
- 10) Develop a plan for conducting a Sprint Retrospective, outlining the agenda and activities to facilitate team improvement. K6 (18)