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School of Computing Science and Engineering

Bachelor of Technology in Computer Science and Engineering

Mid Term Examination - May 2024

Duration : 90 Minutes

Max Marks : 50

Sem VI - R1UC609C - Advanced Swift Programming

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) How does the Model-View-Controller pattern contribute to app organization? K2 (2)
- 2) Define closures and their role in Swift programming. K1 (3)
- 3) Compare and contrast various navigation patterns in iOS app development. K2 (4)
- 4) Compare and contrast closures with regular functions in Swift. K2 (6)
- 5) Develop a iOS scene with Table View for an e-commerce app. K3 (6)
- 6) While playing Candy crush a call is received in iPhone. Detail the iOS app life cycle for Candy Crush K3 (9)
- 7) Identify potential challenges in saving and retrieving data in iOS apps. K4 (8)
- 8) Analyze the impact of closures on code readability and maintainability. K4 (12)

OR

Assess the advantages and disadvantages of using extensions in Swift. K4 (12)