GALGOTIAS UNIVERSITY

ADMISSION NUMBER

School of Computing Science and Engineering

Bachelor of Technology in Computer Science and Engineering
Semester End Examination - Jul 2024

Duration : 180 Minutes
Max Marks : 100

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)	What are the key features of advanced layouts in iOS apps?	K1(2)
2)	Discuss the importance of user input validation in complex input screens.	K2(4)
3)	Explain the significance of the applicationWillTerminate method in the iOS App Lifecycle	K2(6)
4)	Implement a generic data structure for a commonly used data type in an iOS app.	K3(9)
5)	Develop a mechanism for updating collection view data in real - scale apps.	K3(9)
6)	Explain the role of the Equatable protocol in Swift and how it enables comparison between instances of custom types.	K5(10)
7)	Evaluate strategies for efficiently managing dynamic data updates in iOS apps.	K4(12)
8)	Assess the versatility of closures in various programming scenarios.	K5(15)
9)	Describe the concept of delegation in Swift and how it allows one object to delegate responsibilities to another object through the use of protocols.	K5(15)
10)	Create a framework for managing a Hotel in iOS apps	K6(18)