

- Q.1 **Write the following.**
- A Explain the iOS Architecture in detail. 7
- B What is Model-View-Controller (MVC) Architecture in iOS? 7
- OR
- A Describe the iOS App Life Cycle in detail. 7
- B Explain the Swift Programming Language features. 7
- Q.2 **Write the following.**
- A Discuss the View Controller Life Cycle in iOS. 7
- B Explain Memory Management in iOS (ARC). 7
- OR
- A Explain the steps involved in iPhone application development. 7
- B Explain Core Data Architecture. 7
- Q.3 **Write the following.**
- A Explain Networking using URLSession in iOS. 7
- B Describe Table View in iOS. 7
- OR
- A Explain App Sandbox and Security Model in iOS. 7
- B Discuss different App States & Background Execution. 7
- Q.4 **Write the following.**
- A Explain Navigation and Segues. 7
- B Explain the role of databases in iOS applications. 7
- OR
- A What is SQLite in iOS? Explain its features, and how it is used inside an iOS application 7
- B Compare SQLite and Core Data in iOS. 7
- Q.5 **MCQ** 7
- 1) Which language is primarily used for modern iOS development? 14
- A) Java B) Swift

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- C) C#    D) Kotlin
- 2) Which architecture pattern is mainly used in iOS development?
- A) MVC    B) MVVM
- C) MVP    D) MVT
- 3) Which method is called when a view controller's view is loaded into memory?
- A) viewWillAppear()    B) viewDidLoad()
- C) viewDidAppear()    D) viewWillLayoutSubviews()
- 4) Which framework is used for building the user interface in iOS apps?
- A) UIKit    B) Foundation
- C) CoreData    D) AVKit
- 5) Which of the following is used for data persistence in iOS?
- A) SQLite    B) Core Data
- C) UserDefaults    D) All of the above
- 6) What is 'ARC' in iOS?
- A) Automatic Reference Counting
- B) Advanced Runtime Compiler
- C) Active Resource Control
- D) Automatic Resource Compiler
- 7) Which keyword is used to declare optional values in Swift?
- A) !    B) ?
- C) \$    D) @

