

PYQs

UNIT 1

- 10marks

- 4-a. Explain End to End Flow of a hybrid Mobile Apps with suitable diagram.(CO1) 10

Page 3 of 4

- 4-b. Briefly explain SoC architecture. Write down the characteristics and types of mobile applications. (CO1) 10

- 4-a. Differentiate web application and mobile application. (CO1) 10

- 4-b. Discuss the SDK Architecture and explain it in detail. (CO1) 10

- 6marks

- 3-a. Write down the full form and explain the meaning of the various extensions used in mobile development? (CO1) 6

- a. Apk
- b. Phone
- c. Mobile
- d. Exe
- e. IPA
- f. Prc

- 3-b. Decode MOBILE. Name the processors used for mobile and handheld devices. (CO1) 6

- 3-a. Design the Architecture of Android based native Mobile App. (CO1) 6

- 3-b. Design the Architecture of iOS based native Mobile App. (CO1) 6

Unit 2

- 10marks

What is the difference between a class and an object? How it is created in android? (CO2) 10

Which file is considered as managing file in Android application? Explain each node of that file in detail. (CO2) 10

What is the difference between a class and an object? How it is created in android? (CO2)	10
How Android supports multiple screens? Explain with an appropriate example. (CO2)	10
• 6 marks	
What is multiple inheritance and how to perform it in Java. Also explain its importance in android if any. (CO2)	6
Difference between Table Layout and Frame Layout with diagram. (CO2)	6
Discuss about configuring the android SDK and AVD. Write steps involved in setting up android. (CO2)	6
Explain the features of Android with layered architecture of android. (CO2)	6

Unit 3

• 10marks	
Define Bluetooth? Explain with the help of code the interfacing of bluetooth and android. (CO3)	10
Define Emulators. Discuss the role of emulators in Mobile applications with example code. (CO3)	10
Explain in detail about Map View System of Google Maps. (CO3)	10
Develop an android application that uses GUI components, fonts, and colors with output screen. (CO3)	10
• 6marks	
What are the basic concepts of android layout also explain about their interlinked connection with Buttons, level text boxes and others? (CO3)	6
How can you use Date picker option in android and write the code of it? (CO3)	6

Unit 4

• 10marks	
Define android applications. Explain publishing applications on android market. (CO4)	10
Define the terms: Install time, normal, signature, runtime, and special android permissions. (CO4)	10
Discuss testing and debugging of android application with suitable example. (CO4)	10
How data persistence is done using SQLite database? (CO4)	10

- 6marks
Explain in detail the Model View Controller with a neat diagram. (CO4) 6
Discuss about the android testing based on size or degree of isolation. (CO4) 6

Unit 5

- 10marks
Explain how to integrate calendar and address book with social media application in iOS. (CO5) 10
Explain briefly the concepts of Data persistence using Core Data and SQLite. (CO5) 10
Show the steps in creating simple "Hello World" iOS application along with code. (CO5) 10
What are the collection types that are available in swift? Explain with examples. (CO5) 10
- 6marks
Explain control transfer statements that are used in swift language. (CO5) 6
What mechanisms does iOS provide to support multi-threading? (CO5) 6