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Question Paper Code: 95C04

B.E./B.Tech. DEGREE EXAMINATION, NOV 2023

Fifth Semester

Computer Science and Business Systems

19UCB504– Mobile Applications Development and Services

(Regulations 2019)

Duration: Three hours

Maximum: 100 Marks

Answer ALL Questions

PART A - (10 x 1 = 10 Marks)

1. A programming environment that has been packaged as an application program. CO1- U
(a) Programming Language (b) Android SDK
(c) Visual Studio (d) Integrated Development Environment
2. A Mobile application is a _____ application designed to run on smart phones, tablet computers and other mobile devices. CO1- U
(a) Hardware (b) malware (c) software (d) OPL
3. All layout classes are the subclasses of CO1- U
(a) android.widget (b) android.view.View
(c) android.view.ViewGroup (d) None of the above
4. Which of the following android component displays the part of an activity on screen? CO1- U
(a) View (b) Manifest (c) Intent (d) Fragment
5. Which of the following is Application development environments for iOS? CO1- U
(a) Cocoa (b) Cocoa touch (b) Cocoa iOS (d) Cocoa begin
6. In Which state the app is running in the foreground and is receiving events? CO1- U
(a) Not running (b) Inactive (c) Background (d) Active

7. Which Of The Following Is Incorrect Data Type In SWIFT ? CO1- U
 (a) UInt (b) Double (c) Char (d) Optional
8. Which is not a valid Android resource file name of the following? CO1- U
 (a) my_layout.xml (b) mylayout.xml (c) my_layout.xml (d) mylayout.xml
9. Which of the following has made the development of mobile Web applications much easier and more powerful? CO1- U
 (a) Web Services (b) Cloud Computing (c) IM (d) None of the above
10. Which of the following is the core module of Android for Internet computing? CO1- U
 (a) SQLite RDBMS (b) SQLServer DBMS
 (c) OpenPL (d) None of the mentioned

PART – B (5 x 2= 10 Marks)

11. What is the importance of mobile strategies in the business world? CO1- U
12. What is the use of Bundle in Android? CO1- U
13. What are architecture patterns in iOS? CO1- U
14. What is core location in iOS? CO1- U
15. What is the main purpose of web service? CO1- U

PART – C (5 x 16= 80 Marks)

16. (a) Discuss in detail about the market and business driver for Mobile Application CO1-U (16)
 Or
 (b) (i) What are the requirements gathering and validation for mobile application. CO1-U (8)
 (ii) How to determine the Third party framework in Mobile Application. CO1-U (8)
17. (a) Develop a native application that uses GPS locations information. CO2-App (16)
 Or
 (b) Write an application that draws basic graphical primitives on the screen. CO2-App (16)
18. (a) Explain in details about User Interface Design tools in iOS application. CO1-U (16)

Or

- (b) Why design patterns are important? Name some of the popular design patterns used in iOS? CO1-U (16)
19. (a) Develop an ios applications for adding UI elements associated with login form(user name and password). CO2-App (16)
- Or
- (b) Develop a native calculator application using swift iOS. CO2-App (16)
20. (a) Explain performance for best practices in android location mobility. What are the issues will face in location mobility. CO1-U (16)
- Or
- (b) Demonstrate how to create consumable web services for mobile devices. CO1-U (16)

