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FRANCIS XAVIER ENGINEERING COLLEGE, TIRUNELVELI – 627 003

(Autonomous)

QP CODE: 191258

B.E. / B. Tech Degree Examinations – Nov/Dec 2021

Fifth Semester

Regulation –2019

B.E - Computer Science and Engineering

19CS5710 - MOBILE APPLICATION DEVELOPMENT

Time: 3 Hours

Maximum Marks: 100

Part A

(10 x 2 = 20 Marks)

Answer ALL Questions

1. Differentiate verification and validation.
2. Discuss the essential task involved in publishing a mobile application.
3. Deduce the characteristics of mobile devices.
4. Rewrite the challenges in developing mobile application.
5. Discuss on Android Development Environment Setup with example.
6. Deduce the characteristics of Anatomy of Android Application.
7. Show the process of Content providers with example.
8. Discuss on intent filters with real-time example.
9. List out the features of iOS.
10. Define Cross-platform Mobile Application development.

Part B

(5 x 13 = 65 Marks)

Answer ALL Questions

11. a) Develop an application that uses GUI Components, Fonts and Colours. (13)
(OR)
b) Develop an application to implement basic Calculator operations. (13)
12. a) Analyze the Mobile Information Design with suitable example and also explain its design features. (13)
(OR)
b) Analyze different types of mobile OS in detail and compare its performance with suitable example. (13)
13. a) Design and Illustrate Android Architecture with suitable block diagram. (13)
(OR)
b) Describe in detail about Views -Layouts and List view with suitable example. (13)
14. a) Develop an application that makes use of database. (13)
(OR)
b) Develop an application that creates an alert upon receiving a message. (13)
15. a) Evaluate iOS features and also discuss simple application in Windows Phone with suitable example. (13)

(OR)

- b) Evaluate Blackberry basics working functions and Simple Application in Blackberry. (13)

Part C

(1 x 15 = 15 Marks)

Answer ALL Questions

16. a) Create an application that takes the name from a text box and shows hello message along with the name entered in text box, when the user clicks the OK button. (15)

(OR)

- b) Create a screen that has input boxes for User Name, Password, Address, Gender (radio buttons for male and female), Age (numeric) and a Submit button. On clicking the submit button, print all the data below the Submit Button (use any layout). (15)