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18MCA52

Fifth Semester MCA Degree Examination, Feb./Mar.2022
Mobile Applications

Time: 3 hrs.　　　　　　　　　　　　　　　　　　　　　　Max. Marks: 100

Note: Answer any FIVE full questions, choosing ONE full question from each module.

Module-1

1　a. Discuss preliminary cost involved in mobile application development.　**(10 Marks)**
　b. Why mobile development is difficult?　**(05 Marks)**
　c. What are the myths associated with mobile application development?　**(05 Marks)**

OR

2　a. What are the key issues involved in using the screen real-estate effectively?　**(10 Marks)**
　b. What do you understand by mobile information design and mobile platform?　**(10 Marks)**

Module-2

3　a. Explain the features of android.　**(10 Marks)**
　b. Explain the various layers in Android OS.　**(10 Marks)**

OR

4　a. Briefly discuss the anatomy of an Android application.　**(10 Marks)**
　b. Discuss lifecycle of an activity with an example code.　**(10 Marks)**

Module-3

5　a. Define a view. Explain the different types of views.　**(10 Marks)**
　b. Explain various view groups with suitable code segments.　**(10 Marks)**

OR

6　a. How do you display Google maps in Android application explain with code?　**(10 Marks)**
　b. Discuss APK file deployment in detail.　**(10 Marks)**

Module-4

7　a. Explain with code procedure for sending an SMS through android application.　**(10 Marks)**
　b. Write an android application to download an image file from the web.　**(10 Marks)**

OR

8　a. Write an android application to download a text file from the web.　**(10 Marks)**
　b. Explain with code asynchronous calls in networking in view of android application.　**(10 Marks)**

Module-5

9　a. Discuss components of iphone SDK.　**(10 Marks)**
　b. Discuss anatomy of a iOS App.　**(10 Marks)**

OR

10　a. Discuss anatomy of a windows phone App.　**(05 Marks)**
　b. Briefly explain various steps in developing derby App in windows phone 7.　**(05 Marks)**
　c. Write a short note on notifications in windows phone 7 app and accelerometer in windows phone 7 app.　**(10 Marks)**

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