CBCS SCHEME

16/17MCA53

USN

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

Time: 3 hrs.   Max. Marks: 80

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

Module-1

1 a. Describe the factors affecting the cost of development of mobile applications. **(05 Marks)**
   b. Describe why mobile development is difficult. **(03 Marks)**
   c. How to make effective use of screen real estate? Illuminate gestalt principles in understanding mobile application users. **(08 Marks)**

OR

2 a. Write a note on mobile myths. **(05 Marks)**
   b. Discuss the key design patterns of mobile information design. **(07 Marks)**
   c. Explain mobile application development platforms in detail. **(04 Marks)**

Module-2

3 a. Explain the architecture of Android with a neat diagram. **(10 Marks)**
   b. Discrete the anatomy of an Android application. **(06 Marks)**

OR

4 a. What are the events defined by the activity class? Explain them by showing life cycle of an activity. **(12 Marks)**
   b. What are the tools required to begin android application development? Briefly explain them. **(04 Marks)**

Module-3

5 a. What are the view Groups supported by android? **(12 Marks)**
   b. How is location data obtained in Android? Elaborate it. **(04 Marks)**

OR

6 a. Write a note on basic views that are used to design the VI of an android application. **(10 Marks)**
   b. What are the ways of developing APK files? Describe each one of them. **(06 Marks)**

Module-4

7 a. Write a detailed description on SMS messaging in android. **(10 Marks)**
   b. What are the means involved in performing asynchronous calls? **(06 Marks)**

OR

8 a. What are the steps to create own services? Explain them. **(10 Marks)**
   b. Elaborate the process of binding activities to services. **(06 Marks)**

Module-5

9 a. Discuss the basics of objective C. **(10 Marks)**
   b. What is the significance of a story board? Neatly depict a sample storyboard in iOS. **(06 Marks)**

OR

10 a. What are tools required for windows phone 7? Explain them in detail. **(08 Marks)**
    b. Elaborate the components of a windows phone 7 project. **(08 Marks)**

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