USN | | | | | | | | | | | 16/17MCA53

Fifth Semester MCA Degree Examination, Dec.2019/Jan.2020
Mobile Applications

Time: 3 hrs. | Max. Marks: 80

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

Module-1

1. a. Explain the reasons/preliminary considerations to build a mobile application. (08 Marks)
   b. Outline the architecture of Android. (08 Marks)

2. a. Compare and contrast between different mobile platforms. (08 Marks)
   b. Explain the terms to understand mobile application users. (08 Marks)

Module-2

3. a. Explain briefly the life cycle of an Activity and Fragments. (10 Marks)
   b. Describe anatomy of an android application. (06 Marks)

4. a. Write short notes on components of android applications. (10 Marks)
   b. Differentiate between linear layout and absolute layout. (06 Marks)

Module-3

5. a. Describe Views and View Groups in Android application with syntax. (08 Marks)
   b. Write short notes on basic views and spinner views. (08 Marks)

6. a. Outline the working of Google Maps in Android Applications. (08 Marks)
   b. Illustrate the three methods of getting location based data. (08 Marks)

Module-4

7. a. Explain briefly how SMS and Mail works in android. (10 Marks)
   b. How do you publish android applications? List out the steps briefly. (06 Marks)

8. a. Analyze the methods for accessing web services through android application. (08 Marks)
   b. What is content provider in android? List and explain different content providers. (08 Marks)

Module-5

9. a. Explain briefly the steps to create native ios application. (08 Marks)
   b. Give the hardware, tools and installations required to setup windows phone SDK for developing software for windows phone. (08 Marks)

10. a. Write short notes on ios story board. (08 Marks)
    b. Explain briefly accelerometer in Windows Phone 7. (08 Marks)

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