CBCS SCHEME

USN | | | | | | | | | | 18MCA52

Fifth Semester MCA Degree Examination, Jan./Feb. 2021
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. What are the preliminary costs involved in mobile application development? Explain. (10 Marks)
   b. Describe the effective use of screen real estate. (10 Marks)

OR

2 a. Explain the various information design tools of mobile interface design. (10 Marks)
   b. Briefly discuss the Gestalt's principles. (10 Marks)

Module-2

3 a. List and explain the steps to create your first android project. (10 Marks)
   b. What is Android? Explain the android architecture with its features and diagram. (10 Marks)

OR

4 a. What is an activity? Explain briefly the life cycle of an activity. (10 Marks)
   b. Describe the anatomy of Android application. (10 Marks)

Module-3

5 a. Explain in detail how to design user interfaces using views and view groups. (10 Marks)
   b. Discuss the basic views in Android with a suitable code snippet. (10 Marks)

OR

6 a. What are the different methods for getting location data? Explain. (10 Marks)
   b. Discuss APK file deployment in detail and steps involved in publishing android application. (10 Marks)

Module-4

7 a. Explain the procedure for sending an SMS through android application with a code snippet. (10 Marks)
   b. Define service. How do you create your own service in android? Explain with a snippet code. (10 Marks)

OR

8 a. What is the process for binding activities to services in android applications? (10 Marks)
   b. Explain the concepts of networking in the terms of communicating between service and activity. (10 Marks)

Module-5

9 a. What is a program level in iOS? Discuss the various program levels available for an iOS developer. (10 Marks)
   b. With a neat diagram, explain iOS project. (10 Marks)

OR

10 a. Describe the Anatomy of a Windows Phone-7 App. (10 Marks)
   b. Write short note on other useful windows phone thing. (10 Marks)

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