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

Fifth Semester MCA Degree Examination, Aug./Sept. 2020
Mobile Applications

Time: 3 hrs.   Max. Marks: 80

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

Module-1

1 a. List the hardware and software required for mobile application developments for different platforms. **(04 Marks)**
   b. What are the importance of mobile strategies in the business world? **(04 Marks)**
   c. Explain the gestalt principles of visual perception of human mind that could influence the design concepts. **(08 Marks)**

OR

2 a. Discuss the design approaches for effective use of screen real estate. **(08 Marks)**
   b. List any three major mobile platforms popular in the market and explain their interface tips and access to its resources. **(08 Marks)**

Module-2

3 a. What is andriod? List versions of andriod and what are the features of android. **(08 Marks)**
   b. Illustrate the architecture of andriod. **(08 Marks)**

OR

4 a. Explain briefly the life cycle of an activity. **(08 Marks)**
   b. Define fragments. Explain the example :
      Fragment-1 contains ListView and Fragment-2 contains TextView and ImageView.
      (08 Marks)

Module-3

5 a. Explain views and ViewGroups in andriod application with syntax. **(08 Marks)**
   b. Explain Basic views with syntax. **(08 Marks)**

OR

6 a. Explain briefly how do you incorporate Google Maps in your application. **(08 Marks)**
   b. Illustrate the steps for Deploying APK files. **(08 Marks)**

Module-4

7 a. Explain how SMS message is working in Apps. **(08 Marks)**
   b. Explain how do you incorporate Email facility in your andriod apps. **(08 Marks)**

OR

8 a. Define a service. How do you create your own service? Explain with code snippet.
      (08 Marks)
   b. Briefly discuss the concept of binding activities to services. **(08 Marks)**

Module-5

9 a. Explain briefly the architecture of iOS. **(08 Marks)**
   b. Using the story board formulate a sample mobile app. **(08 Marks)**

OR

10 a. Compare and contrast between Silverlight Vs Windows Phone 7. **(08 Marks)**
   b. Describe the anatomy of Windows Phone 7 app. **(08 Marks)**

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