



**Second Semester MCA Degree Examination, Jan./Feb. 2023**  
**Mobile Application Development**

Time: 3 hrs.

Max. Marks:100

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

**Module-1**

- 1 a. Define mobile applications. Explain the importance of mobile application in today's world. (10 Marks)  
b. What is Gestalt principle? Discuss the myths associated with mobile application development. (10 Marks)

OR

- 2 a. Describe the role of mobile platform application users. (10 Marks)  
b. Discuss the various types of information design tools used in mobile development. (10 Marks)

**Module-2**

- 3 a. Define Android. Briefly explain the android architecture with diagram. (10 Marks)  
b. Describe the anatomy of Android application. (10 Marks)

OR

- 4 a. List and explain the components of Android application. (10 Marks)  
b. Illustrate the steps involved in creating an Android application. (10 Marks)

**Module-3**

- 5 a. Explain the common attributes used in views and view groups. (10 Marks)  
b. Develop an Android application to display GPS location information. (10 Marks)

OR

- 6 a. Discuss the different methods for getting location data. (10 Marks)  
b. How do you publish Android application? Explain the steps involved. (10 Marks)

**Module-4**

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

OR

- 8 a. Briefly discuss the concept of binding activities to service. (10 Marks)  
b. Create an Android application to download a image file from web. (10 Marks)

**Module-5**

- 9 a. Explain the anatomy of ios phone. (10 Marks)  
b. What is program level? Discuss the various program levels applicable for an ios developer. (10 Marks)

OR

- 10 Explain the following term with appropriate example :  
a. Pivot v/s panorama  
b. Accelerometer in windows phone 7  
c. ios story board  
d. xcode and ios SDK.

**CMRIT LIBRARY** (20 Marks)  
**BANGALORE - 560 037**

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Important Note : 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages.  
2. Any revealing of identification, appeal to evaluator and /or equations written eg, 42+8 = 50, will be treated as malpractice.