

# CBCS SCHEME

18MCA52



## Fifth Semester MCA Degree Examination, July/August 2021 Mobile Applications

Max. Marks: 100

*Note: Answer any FIVE full questions.*

- 1 a. Describe the factors affecting the cost of development of mobile applications. (06 Marks)  
b. Describe why Mobile Development is difficult. (04 Marks)  
c. How to make effective use of screen real state? Illuminate Gestalt principles in understanding mobile application users. (10 Marks)
- 2 a. Write a note on mobile myths. (06 Marks)  
b. Discuss the key design patterns of mobile information design. (08 Marks)  
c. Explain mobile application development platforms in detail. (06 Marks)
- 3 a. Explain the architecture of Android with a neat diagram. (10 Marks)  
b. Dissect the anatomy of an Android application. (10 Marks)
- 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. (08 Marks)
- 5 a. What are the view groups supported by Android? Explain each of them with suitable examples. (12 Marks)  
b. How is location data obtained in Android? Elaborate it. (08 Marks)
- 6 a. Write a note on basic views that are used to design the UI of an Android app. (10 Marks)  
b. What are the ways of developing APK files? Describe each one of them. (10 Marks)
- 7 a. Write a detailed description on SMS messaging in Android. (10 Marks)  
b. What are the means involved in performing asynchronous calls? (10 Marks)
- 8 a. What are the steps to create own services? Explain them. (10 Marks)  
b. Elaborate the process of binding activities to services. (10 Marks)
- 9 a. Discuss the basics of objective C. (12 Marks)  
b. What is the significance of a storyboard? Neatly depict a sample story board in IOS. (08 Marks)
- 10 a. What are tools required for Windows Phone 7? Explain them in detail. (10 Marks)  
b. Elaborate the components of a Windows Phone 7 project. (10 Marks)

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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.

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