



# CBCS SCHEME

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## Fifth Semester MCA Degree Examination, June/July 2023 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. Describe the factors affecting the cost of development of mobile applications. Also deliberate the importance of mobile strategies. (08 Marks)
- b. Describe the process of making effective use of screen real estate. Illustrate Gestalt principles in understanding mobile application uses. (12 Marks)

OR

- 2 a. Discuss the key design patterns of mobile information design. (10 Marks)
- b. Explain mobile application development platforms in detail. (10 Marks)

### Module-2

- 3 a. Explain the architecture of Android with a neat diagram. (12 Marks)
- b. Discuss the anatomy of an Android application. (08 Marks)

OR

- 4 a. What are the events defined by the activity class? Explain them by showing the life cycle of an activity. (12 Marks)
- b. What are the tools required to begin Android application development? Briefly explain them. (08 Marks)

### Module-3

- 5 a. What are the View Groups supported by Android? Explain each one of them with suitable examples. (12 Marks)
- b. How a location data obtained in Android? Elaborate it. (08 Marks)

OR

- 6 a. Write a note on basic views that are used to design the UI of a Android app. (12 Marks)
- b. What are the ways of deploying APK files? Describe each one of them. (08 Marks)

### Module-4

- 7 a. List a detailed description of SMS messaging in Android. (10 Marks)
- b. What are the means involved in performing asynchronous calls? (10 Marks)

OR

- 8 a. What are the steps to create your own services? Explain them. (10 Marks)
- b. Elaborate the process of binding activities to services. (10 Marks)

### Module-5

- 9 a. Explain steps of Building Derby App in ios. (10 Marks)
- b. What is the significance of a storyboard? Neatly depict a sample storyboard in ios. (10 Marks)

OR

- 10 a. What are the 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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