

CBCS SCHEME

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20MCA263

Second Semester MCA Degree Examination, Feb./Mar. 2022

Mobile Application Development

Time: 3 hrs.

Max. Marks: 100

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

Module-1

- 1 a. Explain the effective use of screen real estate and features of mobile application. (10 Marks)
b. What are preliminary costs involved in mobile application development? Explain. (10 Marks)

OR

- 2 a. Compare and contrast between different mobile platforms. (10 Marks)
b. Explain the terms to understand mobile application users. (10 Marks)

Module-2

- 3 a. What is Android? Explain the Android architecture with its features and diagrams. (10 Marks)
b. What is activity? Explain briefly the lifecycle of an activity. (10 Marks)

OR

- 4 a. Briefly discuss the anatomy of an Android application, Discuss the usage of MainActivityJava file with suitable code. (10 Marks)
b. Define a fragment. What are the events associated with a fragment? Explain with a neat diagram. (10 Marks)

Module-3

- 5 a. What are different methods for getting location data? Explain. (10 Marks)
b. Discuss the basic views in Android with a code snippet. (10 Marks)

OR

- 6 a. Discuss APK file deployment in detail. (10 Marks)
b. Explain the procedure to publish Android applications. (10 Marks)

Module-4

- 7 a. Explain the method or process of incorporating Email facility in your android apps. (10 Marks)
b. Explain the procedure of sending SMS through Android application with a code snippet. (10 Marks)

OR

- 8 a. Define Service. How is a service created? Explain. (10 Marks)
b. Discuss the networking concept using HTTP protocol in Android. (10 Marks)

Module-5

- 9 a. What is program level in iOS? Discuss the various program levels available for an iOS developer. (10 Marks)
b. Write about anatomy of an iOS App. (10 Marks)

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OR

- 10 a. How do you build a Derby App in a windows phone? Explain. (10 Marks)
b. Write in detail about the other useful windows phone thing. (10 Marks)

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.