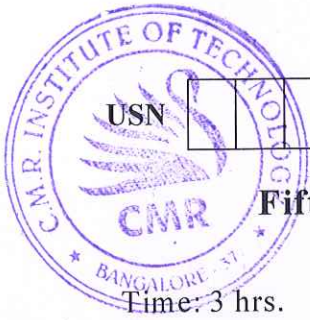


CBCS SCHEME



16/17MCA53

Fifth Semester MCA Degree Examination, June/July 2019 Mobile Applications

Time: 3 hrs.

Max. Marks: 80

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

Module-1

- 1 a. What are the preliminary costs involved in mobile application development. (08 Marks)
b. Describe the effective use of screen real estate. (08 Marks)

OR

- 2 a. Briefly discuss the Gestalt's principles. (08 Marks)
b. Explain the various information design tools, of mobile interface design. (08 Marks)

Module-2

- 3 a. What is Android? Explain the android architecture with its features and diagram. (08 Marks)
b. Describe the anatomy of Android application. (08 Marks)

OR

- 4 a. What is an Activity? Explain the different app components of Android. (05 Marks)
b. What are notifications? Explain various types of notifications. (05 Marks)
c. Briefly discuss the fragments as user interface element of Android. (06 Marks)

Module-3

- 5 a. Discuss the basic views in Android with a suitable code snippet. (08 Marks)
b. Write a note on: i) TimePicker view ii) DatePicker view. (08 Marks)

OR

- 6 a. What are the different methods for getting location data? Explain. (08 Marks)
b. Discuss APK file deployment in detail. (08 Marks)

Module-4

- 7 a. Explain the procedure for sending an SMS through Android application with a code segment. (08 Marks)
b. Define service. How do you create your own service in Android? Explain with a snippet code. (08 Marks)

OR

- 8 a. Briefly discuss the concept of binding activities to services with suitable code snippet. (08 Marks)
b. Name the permissions you need to declare in your AndroidManifest.xml file for an HTTP connection. (04 Marks)
c. Write a note on Asynchronous calls in networking. (04 Marks)

Module-5

- 9 a. What is a program level in iOS? Discuss the various program levels available for an iOS developer. (08 Marks)
b. With a neat diagram, explain iOS project. (08 Marks)

OR

- 10 a. Describe the Anatomy of a windows phone 7 App. (08 Marks)
b. Write a note on other useful windows phone Thing. (08 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.

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