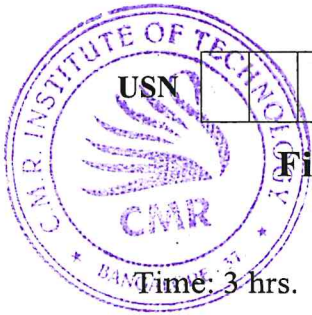


CBCS SCHEME



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18MCA52

Fifth Semester MCA Degree Examination, Jan./Feb. 2021 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. What are the preliminary costs involved in mobile application development? Explain. (10 Marks)
- b. Describe the effective use of screen real estate. (10 Marks)

OR

- 2 a. Explain the various information design tools of mobile interface design. (10 Marks)
- b. Briefly discuss the Gestalt's principles. (10 Marks)

Module-2

- 3 a. List and explain the steps to create your first android project. (10 Marks)
- b. What is Android? Explain the android architecture with its features and diagram. (10 Marks)

OR

- 4 a. What is an activity? Explain briefly the life cycle of an activity. (10 Marks)
- b. Describe the anatomy of Android application. (10 Marks)

Module-3

- 5 a. Explain in detail how to design user interfaces using views and view groups. (10 Marks)
- b. Discuss the basic views in Android with a suitable code snippet. (10 Marks)

OR

- 6 a. What are the different methods for getting location data? Explain. (10 Marks)
- b. Discuss APK file deployment in detail and steps involved in publishing android application. (10 Marks)

Module-4

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

OR

- 8 a. What is the process for binding activities to services in android applications? (10 Marks)
- b. Explain the concepts of networking in the terms of communicating between service and activity. (10 Marks)

Module-5

- 9 a. What is a program level in iOS? Discuss the various program levels available for an iOS developer. (10 Marks)
- b. With a neat diagram, explain iOS project. (10 Marks)

OR

- 10 a. Describe the Anatomy of a Windows Phone-7 App. (10 Marks)
- b. Write short note on 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.