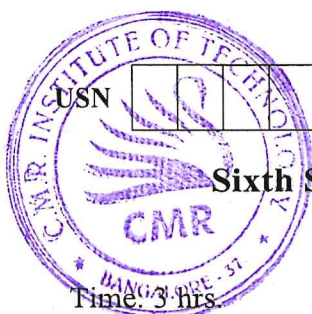


CBCS SCHEME



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15CS661

Sixth Semester B.E. Degree Examination, Jan./Feb. 2021 Mobile App Development

Max. Marks: 80

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

Module-1

- 1 a. What is android? Why develop apps for android? And what are the challenges faced in Android app development? (08 Marks)
b. Explain about the Android support library. (08 Marks)

OR

- 2 a. List and explain the steps for starting and using android studio. (08 Marks)
b. What is break point and how do you execute a code after a break point? (08 Marks)

Module-2

- 3 a. What do you mean by focus? Differentiate clickable and focusable attributes. (08 Marks)
b. Explain designing of the flat buttons. (08 Marks)

OR

- 4 a. Explain how to make buttons? How do you design the raised button? (08 Marks)
b. List out steps to create spinner and adapter. (08 Marks)

Module-3

- 5 a. What are the different alarm types in android? Explain briefly. (08 Marks)
b. What is the work of jobscheduler and what are its components explain. (08 Marks)

OR

- 6 a. How to connect to Internet with Async Task? (08 Marks)
b. Write a short notes on broad cast intent. (08 Marks)

Module-4

- 7 a. What is a content provider? Explain with an example of an app showing data using a content. (08 Marks)
b. Compare shared preferences Vs saved instance state. (08 Marks)

OR

- 8 a. Write a short note on SQLite. (08 Marks)
b. Write a short note on Loading data using loaders. (08 Marks)

Module-5

- 9 a. What do you mean by manifest and how will it help in providing permissions? (08 Marks)
b. What are the different methods to publish an app (Admob)? (08 Marks)

OR

- 10 a. What are the best practices to handle security issues in android app development? (08 Marks)
b. What are the methods of reading and writing data using firebase database in app? (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.

