

B.Sc.(IT) Semester - 6 (CBCS) Examination**March/April-2025 (NEW COURSE)****Mobile Computing using Android and iPhone (Core (New))****Time: 2:30 Hours****Marks: 70****Instructions:**

1. All questions are compulsory.
2. Figures to the right indicate marks.

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- Que-1(A) Answer following Questions. (03)
1. A _____ is an application component that can perform long-running operations in the background
 2. _____ is generally a single screen in Android Application.
 3. _____ is a software tool that allows users to run Android apps on a computer. It works same as an Android device.
- Que-1(B) Answer Any Two. (06)
1. Explain various resources available in Android.
 2. Explain how to receive and broadcast intent?
 3. Explain Android Manifest file.
 4. Write steps to create sample application in Android.
- Que-1(C) Answer Any One. (05)
1. Explain intent, intent filter and permissions.
 2. Explain Android Activity life cycle with example.
- Que-2(A) Answer following Questions. (03)
1. _____ tool is used as a loading indicator in Android.
 2. _____ Layout is a ViewGroup that displays child View elements in rows and columns.
 3. In Android development, a _____ is a UI component that allows users to select a date (day, month, and year) using a familiar calendar interface, ensuring valid date input in applications
- Que-2(B) Answer Any Two. (06)
1. Explain ListView and GridView with example.
 2. Explain Button and ImageButtong with example.
 3. Explain Relative layout and Linear layout. Explain its difference.
 4. Explain Grid Layout with example
- Que-2(C) Answer Any One. (05)
1. Write short note on Twined Animations.
 2. Write short note on Dialogues.
- Que-3(A) Answer following Questions. (03)
1. Give full form of REST.
 2. _____ method modify the subset of database values.
 3. To write data on external storage, the app requires _____ permission.

- Que-3(B) Answer Any Two. (06)
1. What are shared preference?
 2. Write short note on retrofit.
 3. Explain Storage API..
 4. Explain Content Provider.
- Que-3(C) Answer Any One. (05)
1. Explain CRUD Operations with SQLite.
 2. Explain cursor class for integrating data.
- Que-4(A) Answer following Questions. (03)
1. _____ APIs make it easy for you to build power efficient, location-aware applications.
 2. An Android _____ is a message that appears outside of an app's user interface (UI).
 3. _____ class provides information about the Android telephony system, including subscriber ID, SIM serial number, phone network type, and phone state.
- Que-4(B) Answer Any Two. (06)
1. Write steps to create status bar notification in android app.
 2. Write a program to get current location in Android App.
 3. Write steps to generate marker on map.
 4. Write steps to publish Android Application.
- Que-4(C) Answer Any One. (05)
1. Explain Networking and Telephony API.
 2. Explain Application Development using JSON in mysql.
- Que-5(A) Answer following Questions. (03)
1. _____ is official IDE for iPhone Applciation.
 2. In which store iPhone Application upload?
 3. Give full form of MVC
- Que-5(B) Answer Any Two. (06)
1. Explain X-Code
 2. Explain Story board
 3. Write steps how to insert button in iPhone Applciation.
 4. Write steps to create login form designing in iPhone Applciation.
- Que-5(C) Answer Any One. (05)
1. Write short note on Cocoa Touch and MVC.
 2. Explain visual controls in iOS.
