

B.C.A Semester - 6 (CBCS) Examination**July-2025 (OLD COURSE)****CS-31 MOBILE COMPUTING USING ANDROID AND IPHONE(CORE)****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) Attempt the following (04)
1. Define intent.
 2. Name the latest version of Android.
 3. Give full form: SDK.
 4. Android is an open-source Operating System: True/False.
- Que-1(B) Attempt the following (any one) (02)
1. What is Open Handset Alliance?
 2. What is Intent Filter?
- Que-1(C) Attempt the following (any one) (03)
1. Explain Android Manifest File.
 2. Explain: Anatomy of an Android Application.
- Que-1(D) Attempt the following (any one) (05)
1. Write a detailed note on Android SDK.
 2. What are resources? Explain its uses in android applications giving by example.
- Que-2(A) Attempt the following (04)
1. _____ control allows a single choice out of group of options.
 2. What does DatePicker control do?
 3. What is Frame by Frame Animation?
 4. A Dialog box is used generally for modal events: True/False.
- Que-2(B) Attempt the following (any one) (02)
1. What is the use of GridView Control?
 2. Explain the purpose and advantages of using Dialogs in Android apps?
- Que-2(C) Attempt the following (any one) (03)
1. List various layouts. Explain any one.
 2. Explain Fragment with example.
- Que-2(D) Attempt the following (any one) (05)
1. Explain Progress Bar by giving example.
 2. What is Twined Animation? Crete an application showing its functionality.
- Que-3(A) Attempt the following (04)
1. SQLite is not a serverless database: True/False.
 2. Give full form: API.
 3. Give full form: URI.
 4. What is shared storage?
- Que-3(B) Attempt the following (any one) (02)
1. How Content Providers provide security in Android application?
 2. Briefly explain the role of Cursor class in accessing data.
- Que-3(C) Attempt the following (any one) (03)
1. Write a short note on: Shared Preferences.
 2. Explain the purpose and advantages of using SQLite in Android.

- Que-3(D) Attempt the following (any one) (05)
1. List and explain various types of storage options available in Android.
 2. Describe the role of Content Provider in facilitating data sharing between applications.
- Que-4(A) Attempt the following (04)
1. Give full form: GPS.
 2. What is Geocoding?
 3. What is the use of Networking API?
 4. _____ class is used in Android to create and display notifications.
- Que-4(B) Attempt the following (any one) (02)
1. What is Android Telephony API?
 2. Explain the process of publishing an Android application on the Google Play Store.
- Que-4(C) Attempt the following (any one) (03)
1. Explain: Android Web API.
 2. Write the code that enables phone vibration in Android app.
- Que-4(D) Attempt the following (any one) (05)
1. Write a code snippet that shows how to enable blinking light in android application.
 2. Discuss the process of obtaining the device's current location, including necessary permissions and handling location updates.
- Que-5(A) Attempt the following (04)
1. Give full form: MVC.
 2. Cocoa Touch is built on top of the _____ operating system.
 3. In X-Code, _____ component is used to display and edit one line text.
 4. Give full form: UIButton.
- Que-5(B) Attempt the following (any one) (02)
1. Explain the purpose of the Interface Builder in X-Code.
 2. Explain the use of text field.
- Que-5(C) Attempt the following (any one) (03)
1. Describe the process of creating and building a simple "Hello World" application using Xcode.
 2. Briefly explain MVC Architecture.
- Que-5(D) Attempt the following (any one) (05)
1. Explain in detail the role of Xcode in iOS app development.
 2. Explain the Cocoa Touch framework and its importance in iOS app development.
