

B.C.A Semester - 6 (CBCS) Examination**May/June-2021 (NEW COURSE)****Mobile Computing using Android and iPhone (Core)****Time: 1:30 Hours****Marks: 42****Instructions:**

1. Figures to the right indicate marks.
2. There are five questions in the question paper.
3. Answer any three of the following questions.

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- Q.1(A) Attempt the following (03)
1. Define Activity
 2. _____ is the central command centre for an Android application
 3. What is the basic use of Resources?
- Q.1(B) Answer the following(any two) (06)
1. What is Android SDK? Explain.
 2. List the basic tasks of Android Services
 3. What is Android Manifest file? How it is useful in developing Android apps?
 4. Explain in detail : Permissions
- Q.1(C) Answer the following(any one) (05)
1. Explain in detail : Intent in Android.
 2. Explain : Anatomy of an Android application
- Q.2(A) Attempt the following (03)
1. _____ component allows user to select the time of the day
 2. What is the basic use of EditText Control?
 3. Define Linear Layout
- Q.2(B) Answer the following(any two) (06)
1. Briefly explain : dialogs and their uses.
 2. What is Table Layout? list its attributes
 3. What is Frame by Frame Animation?
 4. Explain how Fragments enhance reusability in an Android app?
- Q.2(C) Answer the following(any one) (05)
1. List various Tweened Animations. Explain any one in detail with example.
 2. Explain GridLayout. Take suitable example to show how it is used in apps
- Q.3(A) Attempt the following (03)
1. What is a parameterized query?
 2. _____ statement in SQLite is used to update data into table
 3. What is Retrofit?

- Q.3(B) Answer the following(any two) (06)
1. Explain the basic use of Rest API
 2. List various storage classes. Explain any one
 3. Write a code snippet to create a new database in SQLite
 4. List the basic functions of Cursor class
- Q.3(C) Answer the following(any one) (05)
1. Explain with required steps : how to create Content Provider in an Android App.
 2. Explain in detail : how data are physically stored in Android
- Q.4(A) A Attempt the following (03)
1. Write the full form of JSON
 2. What is the basic use of Location APIs?
 3. What is Notification in Android?
- Q.4(B) Answer the following(any two) (06)
1. Explain in details : Geocoding
 2. Explain with example : how to get current location on an android app
 3. Write steps to generate marker on map
 4. Write a note on Android Web API
- Q.4(C) Answer the following(any one) (05)
1. Write various steps to publish the Android Application
 2. Write in details : GPS
- Q.5(A) Attempt the following (03)
1. Which OS is used by iPhone?
 2. What is the use of Button control.?
 3. What is a framework?
- Q.5(B) Answer the following(any two) (06)
1. Explain Cocoa Touch in iOS
 2. What is the use of TextView control? Explain giving example.
 3. Write in detail : Storyboard
 4. Write in detail : MVC
- Q.5 (C) C Answer the following(any one) (05)
1. Write basic features and uses of X – Code
 2. List various visual controls in iOS. Explain any one with example.
