

**B.C.A Semester - 6 (CBCS) Examination****April/May-2022 (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 the following: (03)

1. What is an Activity?
2. Give full form: OHA
3. What is Android SDK?

Que-1(B) Attempt any two: (06)

1. Explain giving example: Context in Android
2. What is the use of XML file in Android?
3. What is Drawable? How it is useful in developing applications?
4. List main uses of Android Manifest files

Que-1(C) Attempt any one: (05)

1. List various resources in Android. Explain any one.
2. Write a short note: Intent filter

Que-2(A) Answer the following: (03)

1. Name the folder where animations are stored
2. Write the main use of Date Picker.
3. \_\_\_\_\_ layout is a view group that aligns all children in a single Direction.

Que-2(B) Attempt any two: (06)

1. Explain the use of Text View control
2. Explain Image Button control by giving example
3. Explain Table layout
4. Write short note on: Fragment

Que-2(C) Attempt any one: (05)

1. What is Dialogue? Explain with example
2. List various Twined animation. Explain anyone with example

Que-3(A) Answer the following: (03)

1. Give full form: API
2. Android has a built-in database named \_\_\_\_\_
3. Data sharing between applications is possible using \_\_\_\_\_

- Que-3(B) Attempt any two: (06)
1. State the difference between Retrofit and OkHttp.
  2. What is Rest API? Explain its uses.
  3. Write a short note on: SQLite
  4. List various Android APIs. Explain any one with example.
- Que-3(C) Attempt any one: (05)
1. Write a short note on: Content Provider
  2. Write an application in Android to insert and delete a record in database of your choice.
- Que-4(A) Answer the following: (03)
1. Give full form: GPS
  2. What is a Web API?
  3. \_\_\_\_\_API is used to monitor current state of phone/connection.
- Que-4(B) Attempt any two: (06)
1. Write a short note on: Android Networking API
  2. Explain: Geocoding locations
  3. What are Notification services?
  4. List various Location based services in Android. Explain any one.
- Que-4(C) Attempt any one: (05)
1. What is JSON? Explain how it is useful in building Android applications.
  2. Write steps and explain how blinking lights is done on Android phone.
- Que-5(A) Answer the following: (03)
1. Give full form: MVC
  2. \_\_\_\_\_ control is used to display the text.
  3. A text field allows typing in multiple lines: True/False
- Que-5(B) Attempt any two: (06)
1. What is X – Code? Explain its usefulness.
  2. Explain Storyboard.
  3. Explain MVC Architecture Component.
  4. Write steps to insert website button on iPhone application.
- Que-5(C) Attempt any one: (05)
1. Write in detail: Cocoa Touch
  2. Explain with steps: how to build simple application for iPhone

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