

B.Sc.(IT) Semester - 6 (CBCS) Examination**March/April-2023 (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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Q.1(A) Answer following Questions. (03)

1. _____ method is called when activity is no longer visible to user.
2. Intents are objects of _____.
3. What is Activity?

Q.1(B) Answer Any Two. (06)

1. Explain Android platform architecture.
2. Explain Application life cycle.
3. Explain Android anatomy.
4. Explain Android Manifest File.

Q.1(C) Answer Any One. (05)

1. Write short note on intent filters.
2. Write short note on Android SDK.

Q.2(A) Answer following Questions. (03)

1. _____ class is a super class for all GUI in Android.
2. _____ is predefined subclass of Text View that includes rich editing capabilities.
3. _____ Layout going to be arranged groups of views into rows and columns.

Q.2(B) Answer Any Two. (06)

1. Explain Relative and Table Layout.
2. Explain Time Picker and Grid View with example.
3. Explain Canvas.
4. Explain: ListView and ProgressBar.

Q.2(C) Answer Any One. (05)

1. Write short note on Dialogs.
2. Write short note on Twined Animation.

Q.3(A) Answer following Questions. (03)

1. Small collection of key-values that you'd like to save, you should use the _____ APIs.
2. _____ Returns a file representing an internal directory for your app.
3. _____ modify a subset of your database values.

- Q.3(B) Answer Any Two. (06)
1. Explain Retrofit in Android.
 2. Explain different modes used with data stored in File.
 3. Explain application with content provider.
 4. Explain Storage API.
- Q.3(C) Answer Any One. (05)
1. Explain CRUD operations with SQLite.
 2. Write short note on SQLite.
- Q.4(A) Answer following Questions. (03)
1. To access the Internet android application requires the _____ permission.
 2. The _____ class provides information about the telephony services such as subscriber id, sim serial number, phone network type etc.
 3. The _____ class allows to display web pages as a part of your activity layout.
- Q.4(B) Answer Any Two. (06)
1. Write steps and explain how to set notification for vibrating phone.
 2. Explain Mapping location and how to generate marker.
 3. Explain Android Networking API.
 4. Explain Android Telephony API.
- Q.4(C) Answer Any One. (05)
1. Write steps to develop application in JSON in MySQL.
 2. Write steps to deploy Android Application.
- Q.5(A) Answer following Questions. (03)
1. _____ is an IDE containing the software tool for MAC OS.
 2. In which store iPhone application upload?
 3. Give full form of MVC.
- Q.5(B) Answer Any Two. (06)
1. Explain Story board.
 2. Explain what is use text view and text field control.
 3. Write how to insert button in iPhone Application.
 4. Explain: X-Code.
- Q.5(C) Answer Any One. (05)
1. Explain cocoa touch & MVC.
 2. Write steps and explain how to create simple application for iPhone?
