

B.C.A Semester - 6 (CBCS) Examination**March/April-2024 (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) Answer the following. (04)
1. Give full form: OHA
 2. What is Activity in Android?
 3. What is the CodeName of latest Android version?
 4. Give full form: Android SDK
- Que-1(B) Attempt the following. (any one) (02)
1. What is Application Context?
 2. How many types of permissions are there in Android? Explain any one.
- Que-1(C) Attempt the following. (any one) (03)
1. List various Android Services. Explain any one
 2. Explain with example: How to use Intent Filter
- Que-1(D) Attempt the following. (any one) (05)
1. What are Resources? Explain various Drawable Resources
 2. What is the use of Android Manifest file? Explain giving example
- Que-2(A) Answer the following. (04)
1. What is a Fragment?
 2. _____ widget is used to select a date.
 3. Relative Layout doesn't allow flexible positioning of components: True/False
 4. What is Animation?
- Que-2(B) Attempt the following. (any one) (02)
1. Explain the use of EditText.
 2. Which element is used to display textual information in Android App?
- Que-2(C) Attempt the following. (any one) (03)
1. Explain with example: GridView
 2. Explain with steps: how to use ListView element
- Que-2(D) Attempt the following. (any one) (05)
1. Explain Frame by Frame Animation giving example
 2. What are Dialogs? Explain taking suitable example
- Que-3(A) Answer the following. (04)
1. A database in SQLite can be created using _____
 2. What is a database schema?
 3. _____ class acts as a container of generic constants used in Android App
 4. Android allows sharing of data between two separate applications: True/False
- Que-3(B) Attempt the following. (any one) (02)
1. Explain with syntax, the method to open the existing database
 2. Explain execSQL() giving example

- Que-3(C) Attempt the following. (any one) (03)
1. What is Shared Preferences? When should they be used?
 2. Explain with example: Content URL
- Que-3(D) Attempt the following. (any one) (05)
1. Explain Internal Storage in Android giving example
 2. Explain in detail: Content Provider
- Que-4(A) Answer the following. (04)
1. Give full form: GPS
 2. Give full form: JSON
 3. Full form of API is Android Programming Interaction: True/False
 4. _____ object is used to represent a geographic place in android application.
- Que-4(B) Attempt the following. (any one) (02)
1. Explain what is Geocoding
 2. Write the permissions required to perform network operations in Android application
- Que-4(C) Attempt the following. (any one) (03)
1. Explain with syntax and example: Vibrate() method
 2. Explain the uses of Web API
- Que-4(D) Attempt the following. (any one) (05)
1. Write a detailed note on: Telephony API
 2. Given an emp table having emp id, emp name and emp salary, write a snippet to fetch the salary of employees whose name starts with 'A' and is 3 characters long using JSON
- Que-5(A) Answer the following. (04)
1. X-Code is mainly used for developing iOS apps: True/False
 2. Give full form: MVC
 3. _____ is the native language for developing Cocoa Touch apps
 4. What is Storyboard?
- Que-5(B) Attempt the following. (any one) (02)
1. What is difference between Text View and Text Field?
 2. What is MVC used for?
- Que-5(C) Attempt the following. (any one) (03)
1. List and explain various functionalities of X Code Toolbar.
 2. Explain the usefulness of Cocoa Touch static library.
- Que-5(D) Attempt the following. (any one) (05)
1. Write in details advantages and disadvantages of using X-Code.
 2. Explain the core frameworks of Cocoa Touch.
