

B.Sc.(IT) Semester - 6 (CBCS) Examination**July-2025 (OLD COURSE)****CS-31 MOBILE COMPUTING USING ANDROID(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 following Questions. (04)
1. _____ method is called when activity is no longer visible to user.
 2. List out types of intents.
 3. _____ is a comprehensive toolkit developed by Google for creating Android applications,
 4. The _____ is a group of companies that created Android, the free, open-source mobile operating system.
- Que-1(B) Answer Any One. (02)
1. Explain context with example.
 2. Explain Activity with example.
- Que-1(C) Answer Any One. (03)
1. Explain how to manage Application resources in a hierarchy.
 2. Explain Android Terminology.
- Que-1(D) Answer Any One. (05)
1. What is intent? Explain types of intent.
 2. Explain Android Manifest file and its common settings.
- Que-2(A) Answer following Questions. (04)
1. In Android development, _____ are reusable portions of an activity's UI, allowing for modular and flexible UI design
 2. _____ is a view group that aligns all children in a single direction, vertically or horizontally
 3. _____ dialogs require users to confirm a choice before the dialog is dismissed.
 4. In Android, _____ animation creates the illusion of motion by rapidly displaying a sequence of static images (frames), each representing a slightly different state of the animation
- Que-2(B) Answer Any One. (02)
1. Explain Textview and EditText with example.
 2. Explain DatePicker and TimePicker with example.
- Que-2(C) Answer Any One. (03)
1. Explain Relative Layout and Linear Layout in detail.
 2. Explain Tween Animation.
- Que-2(D) Answer Any One. (05)
1. Write short note on Frame by Frame Animation.
 2. Write short note on Dialogues.
- Que-3(A) Answer following Questions. (04)
1. In _____ mode, the data is appended at the end of file if file is exists.
 2. Give full form of API.
 3. _____ is default database, supported by Android.
 4. In Android, _____ enable applications to share data with each other and manage access to data

- Que-3(B) Answer Any One. (02)
1. Explain one storage class.
 2. Explain content provider.
- Que-3(C) Answer Any One. (03)
1. Explain basic use of REST API
 2. Explain : How data are stored physically in Android?
- Que-3(D) Answer Any One. (05)
1. Explain Retrofit with Android with example.
 2. Explain insert and update operation with SQLite.
- Que-4(A) Answer following Questions. (04)
1. Give full form of LBS.
 2. The Android method _____ returns the most recent geographic location for a device
 3. _____ permission is required to use Telephony API.
 4. Give full form of GPS
- Que-4(B) Answer Any One. (02)
1. Explain latitude and longitude with example
 2. Explain Telephony API.
- Que-4(C) Answer Any One. (03)
1. Explain Geocoding with example.
 2. Explain Location Manager Class.
- Que-4(D) Answer Any One. (05)
1. Explain Web view with example.
 2. Explain Networking API with example.
- Que-5(A) Answer following Questions. (04)
1. Give full form of JSON.
 2. _____ notification will appear in same layout.
 3. In which store Android Application upload?
 4. Which permission is require to vibrate a phone?
- Que-5(B) Answer Any One. (02)
1. Explain how to notify with status bar.
 2. What is Notification Manager?
- Que-5(C) Answer Any One. (03)
1. Write the program to demonstrate blinking the light.
 2. Explain with example how to vibrate the phone.
- Que-5(D) Answer Any One. (05)
1. Write short note on application development using JSON.
 2. Explain how to publish Android Application.
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