

M.Sc.(IT & CA) Semester - 2 (CBCS) Examination**March/April – 2026 (As Per Syllabus Year-2018)****APPLICATION DEVELOPMENT USING ADVANCED 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 the following questions (03)
1. _____ is the first callback and called when the activity is first created.
 2. Which Android class is used to play audio files?
 3. According to the Android Activity lifecycle, _____ is invoked when the activity is becoming visible to the user.
- Que.1(B) Answer the following questions (ANY TWO) (06)
1. Write short note on Camera API.
 2. Explain Alarm Manager.
 3. Explain any two Base adaptor Views.
- Que.1(C) Answer the following questions (ANY ONE) (05)
1. Explain core building blocks of Android.
 2. Explain Array adaptor and Array List adaptor.
- Que.2(A) Answer the following questions (03)
1. _____ is the basic database of android.
 2. _____ mode will append the new preferences with the already existing preferences.
 3. The primary class that helps in managing SQLite databases in Android is _____.
- Que.2(B) Answer the following questions (ANY TWO) (06)
1. Explain how to generate notification in android.
 2. Explain content provider.
 3. Explain internal storage and external storage.
- Que.2(C) Answer the following questions (ANY ONE) (05)
1. Explain broadcast receiver.
 2. Explain insert and delete operations.
- Que.3(A) Answer the following questions (03)
1. What is the use of Bluetooth in Android?
 2. Which class provide sensor in android?
 3. _____ function returns the sensor's name as a string.
- Que.3(B) Answer the following questions (ANY TWO) (06)
1. Explain SOAP v/s Restful Web services.
 2. Explain how to verify data in Android with external database.
 3. Explain how to work with WiFi?
- Que.3(C) Answer the following questions (ANY ONE) (05)
1. Explain how to work with external databases in android.
 2. Explain different classes and interfaces used with Sensors.

- Que.4(A) Answer the following questions (03)
1. What is JSON?
 2. Which permission is required for Accessing internet?
 3. _____ method changes the Bluetooth name.
- Que.4(B) Answer the following questions (ANY TWO) (06)
1. Explain Managing active connections.
 2. Explain to get JSON from server using Retrofit Call perform insert using PHP-MysQL server.
 3. Write a code to check internet availability or not?
- Que.4(C) Answer the following questions (ANY ONE) (05)
1. Write a code to start and stop WiFi.
 2. Explain Bluetooth Adapter class.
- Que.5(A) Answer the following questions (03)
1. _____ is a container (or surface) used to draw 2D graphics in Android.
 2. _____ is the process of transforming a street address or other description of a location into a (latitude, longitude) coordinate.
 3. What is LBS?
- Que.5(B) Answer the following questions (ANY TWO) (06)
1. What is signature certificate?
 2. Explain with example: How to display google map in activity?
 3. Explain Working with bitmap and shapes.
- Que.5(C) Answer the following questions (ANY ONE) (05)
1. Explain 2D Animation.
 2. How to distribute Android app via google play store.
