



MASTER OF SCIENCE (INFO TECH & COM APP)-CS Examination  
M.SC. (IT & CA) CS SEMESTER-2 APRIL 2026 ( Regular ) APRIL - 2026

CS-07 APPLI. DEV.USING.ADVANCED ANDROID

Faculty Code : 11

Subject Code : 24CS-MSIT-CO-02-01001

Time : 2.30 Hours]

[Total Marks : 70

Instructions: All questions are compulsory.

- Q.1 (A) Answer the following: 4
- 1 Full form of DVK.
  - 2 What is Activity?
  - 3 Under which category Android is licensed?
  - 4 What is Intent?
- (B) Answer in brief (Any one out of two) 2
- 1 Explain GridView.
  - 2 Explain SearchView:
- (C) Answer in detail (Any one out of two) 3
- 1 Explain MultiAutoCompleteTextView with example.
  - 2 Explain Spinner with example.
- (D) Write a note on (Any one out of two) 5
- 1 Explain Custom Adapter with example.
  - 2 Write a note on Card View.
- Q.2 (A) Answer the following: 4
- 1 How can we stop the services in android?
  - 2 Full form of ADB.
  - 3 Full form of APK.
  - 4 Full form of BDK.
- (B) Answer in brief (Any one out of two) 2
- 1 Explain SQLiteOpenHelper.
  - 2 Explain Shared preferences.
- (C) Answer in detail (Any out of two) 3
- 1 What is Firebase in Android?
  - 2 Explain External Storage in detail.

(D) Write a note on (Any one out of two)

- 1 Design Login form using Android. Database name: dbCollege, Table name: tblLogin (college\_id, college\_name, college\_pwd) where id is AutoIncrement.
- 2 Write a note on Android file system.

Q.3 (A) Answer the following:

4

- 1 \_\_\_\_\_ class is used to work with Alarm services.
- 2 Give the name of different types of sensors.
- 3 \_\_\_\_\_ class is used to work with Sensor service.
- 4 \_\_\_\_\_ method will get the default sensor for a given type.

(B) Answer in brief (Any one out of two)

2

- 1 Define Content provider
- 2 Define Wallpaper in android

(C) Answer in detail (Any one out of two)

3

- 1 Explain Sensor manager.
- 2 Explain Camera API intent.

(D) Write a note on ( Any one out of two)

5

- 1 Write a note on Environment sensor with example
- 2 Write a note on Proximity sensor with example

Q.4 (A) Answer the following:

4

- 1 Full form of BLE.
- 2 REST is an architectural style not a protocol. [True or False]
- 3 REST is a platform dependent. [True or False]
- 4 Full form of SAX.

(B) Answer in brief (Any one out of two)

2

- 1 What is the purpose of asset folder in android?
- 2 Define XmlPullParser.

(C) Answer in detail (Any one out of two)

3

- 1 What is the advantage and disadvantage of using Bluetooth technology?
- 2 Difference between SOAP v/s REST web service.

(D) Write a note on (Any one out of two)

5

- 1 Write a note on JSON parsing with example.
- 2 Write a note on Android Bluetooth with example.

Q.5 (A) Answer the following:

4

- 1 Which class is used to access to the system location services?
- 2 \_\_\_\_\_ method removes everything from the map.
- 3 \_\_\_\_\_ method returns the currently displayed user location.
- 4 For using Google map which permission you will specify in the AndroidManifest.xml?

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2 What is the folder su...  
(C) Answer in detail (Any out of two)  
...relationship between functional and class components.

(B) Answer In brief (Any one out of two)

2

1 Explain Terrian Google Map.

2 Define Geocoding.

(C) Answer in detail (Any one out of two)

3

1 Write a step of generate Google Map API Key.

2 Explain Canvas and OpenGL ES.

(D) Write a note on (Any one out of two)

5

1 Write an Android program to add multiple markers using Google Map.

2 Write an Android program for Fade In, Fade Out, Move, Bounce text.

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