

M.Sc.(IT & CA) Semester - 2 (CBCS) Examination**May/June-2022 (NEW COURSE)****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.

Q-1 (A) Attempt Following. [03]

1. What is emulator?
2. What is service?
3. AVD Stands for _____.

Q-1 (B) Attempt Any Two. [06]

1. Explain Android manifest.xml file.
2. Write short note on views in Android.
3. Explain Audio API for recording and playing audio with example.

Q-1 (C) Attempt Any One. [05]

1. Explain Alarm Manager with example.
2. Explain Array adaptor and ArrayList adaptor.

Q-2 (A) Attempt Following. [03]

1. What is SQLite?
2. List different types of notification.
3. Which permission requires to write a file on external storage.

Q-2 (B) Attempt any Two. [06]

1. Explain SQLiteOpenHelper class.
2. Explain different shared preference mode.
3. Explain android File System.

Q-2 (C) Attempt Any One. [05]

1. Explain Content Provider. Explain with example.
2. Explain different storage APIs in android.

Q-3 (A) Attempt Following. [03]

1. List different type's sensor in android.
2. The Android built-in activity _____ can be used to ask the user to start Bluetooth.
3. Give full form of REST.

Q-3 (B) Attempt any Two. [06]

1. Explain wifi manager class in detail.
2. Explain Compass Accelerometer.
3. Explain Sensor manager class.

Q-3 (C) Attempt Any One. [05]

1. Write steps establishing Bluetooth connection between devices.
2. Difference between SOAP Vs Restful web service

Q-4 (A) Attempt Following [03]

1. _____ method returns whether wifi is enabled or not.
2. _____ method disassociate from the currently active access point.
3. Which permission requires to access Bluetooth connection?

Q-4 (B) Attempt any Two. [06]

1. Explain Bluetooth Adapter class.
2. Explain retrofit parsing.
3. Write steps establishing wifi connection.

Q-4 (C) Attempt Any One. [05]

1. Explain Bluetooth Device connectivity in Android application in detail.
2. Write a code check internet connection available or not.

Q-5 (A) Attempt Following. [03]

1. Full Form of GPS
2. LBS stands for
3. In which store android app publish?

Q-5 (B) Attempt Any Two. [06]

1. What is Signing certificate? How does it works?
2. Explain Geocoder in detail.
3. Explain different types of google map.

Q-5 (C) Attempt Any One. [05]

1. Explain 2D Animation.
2. Write a steps how to publish android app on play store.
