

M.Sc.(IT & CA) Semester - 2 (CBCS) Examination**August/September -2020 [NEW COURSE]****APPLICATION DEVELOPMENT USING ADVANCED ANDROID (CORE)****Time: 2:00 Hours****Marks: 56****Instructions:**

1. Figure to the right indicate marks.
 2. There are five questions in the question paper.
 3. Answer any four of the following questions.
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Q.1(A) Answer the following question. (03)

1. Write full form of DVM.
2. Which permission required for camera access?
3. What is APK?

Q.1(B) Answer the following questions (any two) (06)

1. Explain simple cursor adapter?
2. Explain activity with example?
3. Explain array adapter.

Q.1(C) Answer the following question (any one) (05)

1. Write a code to get two fields value in one list view from database.
2. Write a code to capture an image via native camera app and display it in imageview control.

Q.2(A) Answer the following question. (03)

1. Which is the basic database of android.
2. What is the role of SQLiteOpenHelperClass?
3. Which class is used for generating notification?

Q.2(B) Answer the following question (any two) (06)

1. Explain shared preference with example.
2. How to generate notification in android.
3. Explain in detail content provider.

Q.2(C) Answer the following question (any one) (05)

1. Write a code to generate notification in android app when user clicks on button.
2. Explain broadcast receiver.

- Q.3(A) Answer the following question. (03)
1. Full form of API.
 2. Which permission is required for WI-FI access?
 3. What is web service?
- Q.3(B) Answer the following question (any two) (06)
1. Write a code to start and stop WI-FI.
 2. Write a code to display available WI-FI connections.
 3. Explain sensor class in detail.
- Q.3(C) Answer the following question (any one) (05)
1. Differentiate soap V/s restful web service.
 2. What is the role of SensorManager class Explain with Example.
- Q.4(A) Answer the following question. (03)
1. Which permission is required for Bluetooth service?
 2. Which permission is required for Accessing internet?
 3. Write a full form of JSON.
- Q.4(B) Answer the following question (any two) (06)
1. Write a code to pair two device using Bluetooth.
 2. Create a small program to check network connection.
 3. What is JSON parsing explain in detail.
- Q.4(C) Answer the following question (any one) (05)
1. Explain WI-FI connection.
 2. Explain advantages of Bluetooth service.
- Q.5(A) Answer the following question. (03)
1. Give full for form of GIS.
 2. Give full form of LBS.
 3. Give full form of GPS.
- Q.5(B) Answer the following question (any two) (06)
1. How to display route on map explain with example.
 2. Explain Google map in activity with example.
 3. List various types of Google map and explain any one.
- Q.5(C) Answer the following question (any one) (05)
1. Write a Steps to publish an Android Application in Google Play Store.
 2. Write a code to draw a line on screen as user drag his finger.
