

M.Sc.(IT & CA) Semester - 2 (CBCS) Examination**August/September -2020 [OLD COURSE]****APPLICATOIN 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. (04)
1. What is emulator?
 2. Full form of AVD?
 3. Full form of DVM?
 4. Which permission need for camera access?
- Q.1(B) Answer the following questions (any one) (02)
1. Explain List View Widget.
 2. Explain R. Java file.
- Q.1(C) Answer the following question (any one) (03)
1. Explain array list adapter with example.
 2. Explain android manifest file.
- Q.1(D) Answer the following question (any one) (05)
1. Explain different layout available in android.
 2. Explain activity life cycle.
- Q.2(A) Answer the following question. (04)
1. What is shared preference?
 2. What is services?
 3. Which class is used to generate notification?
 4. List out any 3 methods of SQLiteDatabaseClass.
- Q.2(B) Answer the following question (any one) (02)
1. Explain SQLiteOpenHelper Class.
 2. Explain android file system.
- Q.2(C) Answer the following question (any one) (03)
1. Explain content provider in detail.
 2. Write a program to notify the user with icon and text.
- Q.2(D) Answer the following question (any one) (05)
1. Write a program to insert record in SQLiteDatabase.
 2. What is BroadcastReceiver?
- Q.3(A) Answer the following question. (04)
1. What is Bluetooth?
 2. Which permission is required for WI-FI access?
 3. Ehat is web service?
 4. How many types of sensors available in android?
- Q.3(B) Answer the following question (any one) (02)
1. Explain Sensor Class.
 2. Explain com[ass accelerometer.

- Q.3(C) Answer the following question (any one) (03)
1. What is motion sensor?
 2. Write code to start and stop WI-FI service.
- Q.3(D) Answer the following question (any one) (05)
1. Write a code to enable and disable Bluetooth device.
 2. Write a code to play a music file from phone.
- Q.4(A) Answer the following question. (04)
1. Full form of XML.
 2. Full form of DOM.
 3. Write a full form of JSON.
 4. Which permission needed to change WI-FI state.
- Q.4(B) Answer the following question (any two) (02)
1. What is XML parsing?
 2. What is JSON parsing?
- Q.4(C) Answer the following question (any one) (03)
1. Explain WI-FI connection.
 2. Explain advantages of Bluetooth service.
- Q.4(D) Answer the following question (any one) (05)
1. Write a code to check wheather the mobile data is on/off.
 2. Write a code to pass information from android to JSON with example.
- Q.5(A) Answer the following question. (04)
1. Give full for form of GIS.
 2. Give full form of LBS.
 3. What is Canvas?
 4. What is Geocoder?
- Q.5(B) Answer the following question (any two) (02)
1. How to get device location in android phone?
 2. How to work with maps in android?
- Q.5(C) Answer the following question (any one) (03)
1. Write a code to draw a line on screen as user drag his finger.
 2. Explain Map Overlays in Google Map?
- Q.5(D) Answer thwe following question (any one) (05)
1. Write steps to publish android app on Google play store.
 2. Write a code to show route on map.
