

M.Sc.(IT & CA) Semester - 2 (CBCS) Examination**March/April– 2019 (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.
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- Q-1 (A) Answer the following question. (03)
- (1) Write a full form of APK.
 - (2) Which permission required for camera access?
 - (3) Write a full Form of API.
- (B) Answer the following questions (Any Two) (06)
- (1) Explain Array Adapter.
 - (2) Explain ExpandListView with Suitable Example.
 - (3) What is webView? How it is useful in android.
- (C) Answer the following question (Any one) (05)
- (1) Write a Code to Open Camera and Take Picture using android Code.
 - (2) Write a Code to Play Audio and Video Using android code.
- Q-2 (A) Answer the following question. (03)
- (1) Which Default database provide by android?
 - (2) Which method is used for save record in SQLite?
 - (3) Which two method provide by SQLiteOpenHelper Class?
- (B) Answer the following questions (Any Two) (06)
- (1) Explain Android File System.
 - (2) Explain notificationBuilder Class with suitable example.
 - (3) What is Shared Preference?
- (C) Answer the following question (Any one) (05)
- (1) Write a Code to Store data using SQLite.
 - (2) Explain Built in Content Provider with Search operation.
- Q-3 (A) Answer the following question. (03)
- (1) Which permission need to Bluetooth access?
 - (2) Which permission need to wifi access?
 - (3) Write a full form of SOAP
- (B) Answer the following questions (Any Two) (06)
- (1) Write a program to start/stop Bluetooth.
 - (2) Write a code to list paried devices using Bluetooth.
 - (3) Explain Position Sensor.

- (C) Answer the following question (Any one) (05)
- (1) Explain Compass Accelerometer and Orientation Sensors.
 - (2) Explain SensorEventListener interface with suitable example.
- Q-4 (A) Answer the following question. (03)
- (1) Which permission need for internet access?
 - (2) Write a Full form of JSON.
 - (3) Write a Full form of XML.
- (B) Answer the following questions (Any Two) (06)
- (1) Write a Code to Check whether a network is active or not.
 - (2) How to check active Connection in android phone with suitable code?
 - (3) What is JSON Parsing explain with suitable Example?
- (C) Answer the following question (Any one) (05)
- (1) Explain Bluetooth services.
 - (2) Explain Wi-Fi network in details.
- Q-5 (A) Answer the following question. (03)
- (1) Write a full form of GPS.
 - (2) Write a full form of LBS.
 - (3) Android Location services provided by _____
- (B) Answer the following questions (Any Two) (06)
- (1) Write a Code to set marker at your location.
 - (2) How to get device location in android?
 - (3) Step to Upload APK file in Google Play Store.
- (C) Answer the following question (Any one) (05)
- (1) List out Explain the Types of Google Maps Available in android.
 - (2) Write a code to display route on Map.
