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.

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 ExpendListView 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 Acelerometer 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 exp[lain 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.

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