HN-003-2082001

M. Sc. (I.T. & CA) (Sem.-II)
(CBCS) (W.E.F. 2022) Examination
April - 2023
CS-07 : Application Development
Using Advance Android

Faculty Code : 003

Subject Code : 2082001

Time : $2\frac{1}{2}$ Hours / Total Marks : 70

1 (A) Answer the following: 4

    (1) _____ is the first mobile phone released that ran the Android OS?

    (2) Android provides _____ class to record audio or video.

    (3) What is Intent?

    (4) What is Activity?

  (B) Answer any one in brief: 2

    (1) What is Android Manifest file?

    (2) Explain WebView?

  (C) Answer any one in detail: 3

    (1) Explain AutoCompleteTextView with example.

    (2) Explain FrameLayout with example.

  (D) Answer any one: 5

    (1) Explain ArrayAdapter with example.

    (2) Explain any 5 views in Android.

2 (A) Answer the following: 4

    (1) What is the life cycle of broadcast receivers in android?

    (2) Full form of APK.

    (3) What is transient data in android?

    (4) To share data between Android applications _____ class is used.

(B) Answer any one in brief: **2**
    (1) Explain Internal Storage.
    (2) Explain External Storage.

(C) Answer any one in detail: **3**
    (1) What is Firebase in Android?
    (2) Why use SQLite in Android?

(D) Answer any one: **5**
    (1) Design Login form using Android. Database name: dbStudent, Table name: tblLogin (id, uname, pass) where id is AutoIncrement.
    (2) Explain sending and receiving broadcast with example.

3 (A) Answer the following: **4**
    (1) _____ converts Java byte code into Dalvik byte code?
    (2) In memory, Activity doesn't exist that is _____ state.
    (3) Give the name of different types of sensors.
    (4) In Status data a _____ use in the android system.

(B) Answer any one in brief: **2**
    (1) Define Content provider.
    (2) Define Live Wallpaper in android.

(C) Answer any one in detail: **3**
    (1) Explain Alarm manager.
    (2) Explain Camera API intent.

(D) Answer any one: **5**
    (1) Write a note on Light sensor with example.
    (2) Write a note on Position sensor with example.

4 (A) Answer the following: **4**
    (1) SSO stans for _____
    (2) The spectrum used by Bluetooth starts from _____ and ends at _____.
    (3) What was the range of Bluetooth?
    (4) BLE stands for _____.

(B) Answer any one in brief: **2**
    (1) Define SAX parser in android.
    (2) What is the advantage of using Bluetooth technology?

(C) Answer any one in detail: 3
    (1) Difference between SOAP v/s REST web service.
    (2) Explain Asyntask in android.
(D) Answer any one: 5
    (1) Write a note on XML parsing using DOM with example.
    (2) Write a note on Android WiFi with example.

5 (A) Answer the following: 4
    (1) An image must be referenced only from _____ folders.
    (2) _____ method reposition the camera according to the instructions defined in the update.
    (3) Which debug certificate is required to integrate Google Maps into your Android application?
    (4) _____ is a process in which street address is converted into a coordinate (latitude, longitude)
(B) Answer any one in brief : 2
    (1) Explain Satellite Google Map.
    (2) What is LBS? and what are the use of LBS?
(C) Answer any one in detail: 3
    (1) Write a step of signing certificate and ProGuard rules in Android studio.
    (2) Explain Drawable animation, View animation, and Property animation.
(D) Answer any one: 5
    (1) Write an Android app to add custom marker using Google Map.
    (2) Write an Android app for blink, bounce, rotate, zoom in / out text.

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