



Seat No. _____

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

00132

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.

HN-003-2082001]

1

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- 2
- (B) Answer any one in brief:
- (1) Explain Internal Storage.
 - (2) Explain External Storage.
- 3
- (C) Answer any one in detail:
- (1) What is Firebase in Android?
 - (2) Why use SQLite in Android?
- 5
- (D) Answer any one:
- (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 stands 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 AsyncTask 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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