



DBW-003-1082001

Seat No. _____

M. Sc. (CA & IT) (Sem. II) (CBCS) Examination

July - 2022

**CS-07 : Application Development Using
Advanced Android**

Faculty Code : 003

Subject Code : 1082001

Time : $2\frac{1}{2}$ Hours]

[Total Marks : **70**

- 1 (a) Attempt the following : **4**
- (1) Define : OHA
 - (2) What is Intent ?
 - (3) Write full form of AAPT.
 - (4) What is Live Wall paper ?
- (b) Attempt the following : (any one) **2**
- (1) Describe Scroll View.
 - (2) Describe Web View
- (c) Attempt the following : (any one) **3**
- (1) List out methods (states) of Android activity life cycle.
 - (2) Explain RadioButton and RaioButtonGroup in Android with example.
- (d) Attempt the following : (any one) **5**
- (1) Explain Android architecture with proper diagram.
 - (2) Write a program to send data from one activity to another activity using explicit intent.

- 2 (a) Attempt the following : 4
- (1) What is shared preference ?
 - (2) All Android devices have two file storage areas _____ and _____ storage.
 - (3) _____ method returns a file representing an internal directory for your app's temporary cache files.
 - (4) _____ method returns the current position of the cursor in the table.
- (b) Attempt the following : (any one) 2
- (1) Define Android file system.
 - (2) Define internal storage.
- (c) Attempt the following : (any one) 3
- (1) Explain Linear Layout with example.
 - (2) Explain Relative Layout with example.
- (d) Attempt the following : (any one) 5
- (1) Explain GridView and ListView with example.
 - (2) Create an android activity that will display record of a student (id, name, city) fetched from a SQLiteDatabase.
- 3 (a) Attempt the following : 4
- (1) _____ method starts the discovery process of the Bluetooth for 120 seconds.
 - (2) Give the name of different types of sensor.
 - (3) The _____ class provides methods to get information of the sensor such as sensor name, sensor type, and sensor resolution.
 - (4) _____ component supplies data from one application to others on request.

- (b) Attempt the following : (any one) **2**
- (1) What is WS Security ?
 - (2) What is RESTful web service ?
- (c) Attempt the following : (any one) **3**
- (1) Explain different sensors in detail.
 - (2) Explain Sensor and SensorManger class in detail.
- (d) Attempt the following : (any one) **5**
- (1) Write a program to create database, create table and insert, display record using SQL, Helper class.
 - (2) What do you mean by fragment in Android ? Explain fragment with an example.
- 4 (a) Attempt the following ; **4**
- (1) The ____ parser can be used to parse the xml file only.
 - (2) The ____ brace represents the JSON object.
 - (3) Full form of SSO.
 - (4) Android provides _____ API to manage all aspects of WIFI connectivity.
- (b) Attempt the following : (any one) **2**
- (1) What is the use of Manifest file ?
 - (2) What is a Notification ?
- (c) Attempt the following : (any one) **3**
- (1) Explain ToggleButton with example.
 - (2) Briefly explain AsyncTaskLoader.
- (d) Attempt the following : (any one) **5**
- (1) Explain Integrating social networking using HTTP.
 - (2) Make an application for student's registration of basic details like Name, Enrollment No, Stream, Address and Mobile Number.

- 5 (a) Attempt the following : 4
- (1) Give the name of types of Google Maps.
 - (2) _____ method moves the map according to the update with an animation.
 - (3) _____ interface is used to receive notification when the device location has changed.
 - (4) Searching location in Google Map API is done through _____ class.
- (b) Attempt the following : (any one) 2
- (1) Explain Hybrid Google Map.
 - (2) Explain Proximity alert.
- (c) Attempt the following : (any one) 3
- (1) Explain obfuscation.
 - (2) Explain Canvas and Paint class with example.
- (d) Attempt the following : (any one) 5
- (1) Describe how to publish Android Application on Google play ?
 - (2) Write the Android app for Fade In/Out, Zoom In/Out, Rotate, and Move Image
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