



Seat No. \_\_\_\_\_

**HN-003-1082001**  
**M. Sc. (IT & CA) (Sem. II) (CBCS)**  
**(W.E.F. 2016) Examination**

**April - 2023**

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

**Faculty Code : 003**

**Subject Code : 1082001**

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

- 1 (a) Answer the following : 4
- (1) Google Maps applications are processed locally on the phone. [True / False]
  - (2) Voice Actions for Android allows you to use spoken commands to control your Android phone. [True / False]
  - (3) \_\_\_\_\_ is the Code name for the Android 7.0 version.
  - (4) Full form of DVM.
- (b) Answer any **one** in brief : 2
- (1) What is permission?
  - (2) What is R.java file?
- (c) Answer any **one** in detail : 3
- (1) Explain Base adapter.
  - (2) Explain SearchView with example.
- (d) Answer any **one** : 5
- (1) Explain Expanded ListView with example.
  - (2) Explain any 5 views in Android.
- 2 (a) Answer the following : 4
- (1) What is database?
  - (2) What is table?
  - (3) What is data?
  - (4) What is SQLite?

- (b) Answer any **one** in brief : 2
- (1) Explain SMSManager class.
  - (2) Explain Notification with example.
- (c) Answer any **one** in detail : 3
- (1) Explain how to create content provider.
  - (2) Explain the use of SQLiteOpenHelper with example.
- (d) Answer any **one** : 5
- (1) How to create database, create table, insert a record and view a record operation using SQLiteDatabase in android application?
  - (2) Explain sending and receiving broadcast with example.
- 3** (a) Answer the following : 4
- (1) Which class obtained for WiFi in android?
  - (2) Which class obtained for sensor in android?
  - (3) Which class obtained for bluetooth in android?
  - (4) Bluetooth transceiver devices operate in \_\_\_\_\_ band.
- (b) Answer any **one** in brief : 2
- (1) Define Web service.
  - (2) Write the code to get the default Bluetooth Adapter.
- (c) Answer any **one** in detail : 3
- (1) Difference between SOAP v/s REST web service.
  - (2) Explain Sensor API with example.
- (d) Answer any **one** : 5
- (1) Make an android app to demonstrate the use of WiFi.
  - (2) Explain how to read sensor data with example.
- 4** (a) Answer the following : 4
- (1) What is correct MIME type for JSON?
  - (2) Full form of MIME is \_\_\_\_\_.
  - (3) Full form of SAX is \_\_\_\_\_.
  - (4) Full form of DOM is \_\_\_\_\_.
- (b) Answer any **one** in brief : 2
- (1) Explain JSON elements.
  - (2) Explain how to manage and monitor internet connectivity?

- (c) Answer any **one** in detail : **3**
- (1) What is XML parsing? Explain XML parsing DOM in Android.
  - (2) Explain communicating with Bluetooth.
- (d) Answer any **one** : **5**
- (1) Explain XML pull parser with example.
  - (2) How to integrating social networking using HTTP?
- 5** (a) Answer the following : **4**
- (1) Which element is used to display Google map in your UI?
  - (2) For using Google map which permission you will specify in the Android Manifest.xml?
  - (3) Which class is used to access to the system location services?
  - (4) \_\_\_\_\_ is used to log debug messages.
- (b) Answer any **one** in brief : **2**
- (1) Explain Canvas.
  - (2) Explain Geocoder.
- (c) Answer any **one** in detail : **3**
- (1) Explain LBS with finding current location example.
  - (2) Explain GPS with its usage.
- (d) Answer any **one** : **5**
- (1) Write down steps to signing and publishing android app on google play store.
  - (2) Explain proximity alert with example.
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