Program :BBA(Computer Application)   **Semester: VI**   **SET: A**
Program (Specific): BBACA07   **Course Type:CCT-4**
Class: TYBBACA   **Max.Marks: 70**
Name of the Course: Android Programming
Course Code: 24-BBACA364   **Time3.00 Hrs.**
Paper: -

Instructions to the candidate:

1) *There are 4 sections in the question paper. Write each section on separate page.*
2) *All Sections are compulsory.*
3) *Figures to the right indicate full marks.*
4) *Draw a well labelled diagram wherever necessary.*

Q1) Answer the following (MCQ)   **[10 x 1 =10 marks]**

1. What is Android?

   a) Operating System   b) Web Browser   c) Programming Language   d) Database

2. Which component is NOT part of Android architecture?

   a) Linux Kernel   b) Web Browser   c) Libraries   d) Android Runtime

3. What is the use of Marker in Google Maps API?

   a) Mark a specific location on the map   b) Changes the map type
   c) Draws a polygon on the map   d) Fetches live weather updates

4. Which layout is best suited for placing views in a row or column?

   a) Linear Layout   b) Relative Layout   c) Frame Layout   d) Table Layout

5. _____is a text messaging service in android mobile device.

    a)SMS   b)BBM   c)JVM   d)AVD

6. Which type of Intent is used for opening another app?

   a) Implicit Intent   b) Explicit Intent   c) CRUD   d) Reverse Intent

7. Which of the following is NOT a type of layout in Android?

   a) Linear Layout   b) Relative Layout   c) Google Map Layout   d) Constraint Layout

8. What is SQLite in Android?

   a) A lightweight Database   b) A type of UI component
   c) A communication protocol   d) A programming language

9. An _____ is a messaging object that you can use to request an action from an app component which basically an intention to do an action.

   a) activity   b) intent   c) fragment   d) class

10 How can a user obtain the Google Maps API Key for an Android app?

   a) By purchasing it from Google   b) By requesting it via email
   c) By generating it from Google Cloud Console   d) By downloading it from Play Store

Q.2] Answer the Following. (Any 10)   **[10x2 =20 marks]**

1. Define Android .
2. Explain the concept of Android Virtual Device (AVD).
3. What is an Activity in Android?
4. Describe the Linux Kernel in android architecture.
5. What is AsynTask ?
6. What are Layout Managers? Name any two.
7. Explain the purpose of a Toast in Android.
8. Define unbounded service.
9. What is SDK in Android?
10. What is Adapter?
11. What is meant by SMS messaging?
12. Explain the concept of a database in simple terms.

Q3) Answer the following. (Any 4)   **[4x5=20 marks]**

1. What are the features of Android?
2. Describe any one Layout available in Android.
3. What is menu in android? Explain the types of menu?
4. Explain the service life cycle with diagram.
5. What is Alert Dialog Box? Explain with example.
6. Explain in detail's the concept of Base Adapter and Array Adapter.

Q4) Answer the Following (Any 4). [4x5=20 marks]

1. Write a short notes on the following :
   a)Time Picker
   b) ListView
2. With the help of diagram explain Activity Lifecycle in detail.
3. Differentiate between Java Virtual Machine (JVM) & Dalvik Virtual Machine(DVM)?
4. Explain the concept of DatePicker View in detail.
5. Discuss in detail the concept of Geocoding and Reverse Geocoding in Google Maps.
6. What is Implicit and Explicit Intent? Explain in detail's.