Question 1: What is the primary programming language used for Android app development?

Java

Python

C++

Swift

Correct Answer: Java

Question 2: Which XML-based language is used to design the user interface of Android apps?

HTML

CSS

XML

JSON

Correct Answer: XML

Question 3: Which component is responsible for managing the lifecycle of activities in Android?

Intent

Service

ContentProvider

Activity

Correct Answer: Activity

Question 4: Which layout is used to arrange UI components in a vertical or horizontal scrollable list?

RelativeLayout

LinearLayout

ScrollView

RecyclerView

Correct Answer: ScrollView

Question 5: What is the purpose of the AndroidManifest.xml file?

Define the layout of the app

Specify the permissions required by the app

Store user preferences

Implement networking functionalities

Correct Answer: Specify the permissions required by the app

Question 6: Which method is called when an activity is first created in Android?

onStart()

onCreate()

onResume()

onRestart()

Correct Answer: onCreate()

Question 7: Which component is used to perform long-running operations in the background without interacting with the UI?

Activity

BroadcastReceiver

IntentService

Fragment

Correct Answer: IntentService

Question 8: What is the purpose of the ViewHolder pattern in RecyclerView?

Improve performance by recycling views

Define the layout of individual items

Handle user interactions

Implement data binding

Correct Answer: Improve performance by recycling views

Question 9: Which database solution is recommended for Android app development?

SQLite

MySQL

MongoDB

PostgreSQL

Correct Answer: SQLite

Question 10: What is an APK in the context of Android?

Android Project Kit

Application Package

Android Package Kit

Application Programming Kit

Correct Answer: Android Package Kit