



SILVER OAK UNIVERSITY

College of Computer Application
Bachelor of Computer Application (BCA)

Subject Name : **Android**

Subject Code : **2040233242**

Semester: **4**

1. JDK stands for _____.
2. OHA stands for _____.
3. SDK stands for _____.
4. DVM stands for _____.
5. ADB stands for _____.
6. DDMS stands for _____.
7. AVD stands for _____.
8. ART stands for _____.
9. MAC stands for _____.
10. AAPT stands for _____.
11. NDK stands for _____.
12. XML stands for _____.
13. MySQL stands for _____.
14. ANR stands for _____.
15. GCM stands for _____.
16. API stands for _____.
17. APK stands for _____.
18. GPRS stands for _____.

1. Define Android and discuss the advantages of Android.
2. List and Explain various types of layouts in android.
3. State and Explain various stages of Activity Lifecycle.
4. Explain Architecture of android with a neat diagram.
5. Discuss following callback methods with respect to activity:
 - (i) onCreate()
 - (ii) onStart()
 - (iii) onResume()
 - (iv) onStop()
 - (v) onDestroy()

6. List and Explain various components of Android.
7. Explain TextView with some important attributes.
8. What is the purpose of TextView? Explain the following attributes of TextView control
 - a. Id
 - b. textColor
 - c. text
 - d. textStyle
9. How is the CheckBox different from Radiobutton? Write the XML tag for using CheckBox.
10. Write a note on following controls. Give suitable example.
 - (i). CheckBox
 - (ii). ToggleButton
- 11.. Explain with suitable example the use of RadioButton and RadioGroup Views in android.
12. Explain the use of following controls :
 - (i) AutoCompleteTextView
 - (ii) Spinner
13. Write an Android application to implement DatePicker.
14. What is a spinner? Explain with example.
15. Explain Button with Example.
16. Write a short note on EditText.
17. Write a note on Drawable in android.
18. Explain Broadcast Receivers with suitable example.
19. Write a short note on ProgressBarView in android application
20. How to define Custom Services in Android? Explain Starting and Stopping a service.
21. Explain Menus in Android. How to define a Menu in XML?
22. Develop an android application to print toast message like in the example using DatePicker and TimePicker. Example: Hi! Your cab booking is done as per your request 3 June 2018 at 9AM". (Write only Java code).
23. Write the code for accepting user name and password from the user.
24. Write XML code for the following GUI.

Name : [EditText] (Use textview for Name)

Password : [EditText] (Use textview for Password)

Buttons : Login
25. What is the life cycle of Android activity?
26. What are the features of Android architecture?
- 27. What is Google Android SDK? Which are the tools placed in the Android SDK?**

28. History & Versions Android Operating System

List and describe in detail Android development tools (ADT)?

27. Write steps to create AVD (Android Virtual Device)?

28. Write steps to create Android Application?

29. Explain Dalvik Debug Monitor Service (DDBMS)?

30. Exploring the Android SDK in brief?

31. Explain Anatomy of an Android Application?

32. Explain Android Fragment Lifecycle with diagram and Example.

33. Explain Lifecycle of Android Services with diagram.

34 Explain Different types of resources with Example:

- Strings:
- String Arrays:
- Boolean:
- Integer:
- Colors:
- Dimensions:
- Drawable and Images:
- Animation:
- Menus and Scroll View:
- XML Files and Raw Files:
- Working with Layout:
- Referencing System Resources:

35. Explain Permissions with Example.

36. Explain App Components with Example(Building Block Components).

37. Explain Intent.

38. What is an Android Emulator?

39. Explain History of Android OS?

40. Differentiate between linear layout and relative layout?

41. Differentiate between Framelayout and Tablelayout?

42. Differentiate between Gridlayout and Framelayout?

43. Explain AndroidManifest.xml?

44. Design login and registration form using different interface screen elements like button, checkbox, spinners etc.

45. Create an Implicit and Explicit intents Program and explain what is Implicit and explicit intents is?

46. Make a Simple Calculator Android App using Android Studio using multiple buttons?