



## **Assignment:1**

### **Android Fundamentals & Development Environment**

<b>Que. No</b>	<b>Question</b>	<b>CO</b>	<b>Blooms Taxonomy</b>
1	Explain the architecture of the Android operating system with a neat diagram. Discuss the role of each layer.	CO1	Remember
2	Describe the function of the Dalvik Virtual Machine and its advantages for mobile environments.	CO1	Understand
3	What is the purpose of the AndroidManifest.xml file? Mention at least five attributes it can define.	CO1	Analyze
4	Differentiate between Activities, Services, Broadcast Receivers, and Content Providers in Android with suitable examples.	CO1	Remember
5	Explain the concept of resources in Android. How can you localize string resources for multiple languages?	CO2	Understand
6	Discuss various layouts available in Android. Compare LinearLayout, RelativeLayout, and ConstraintLayout with examples.	CO1	Understand
7	What are UI widgets? Describe any four commonly used UI widgets with their properties and events.	CO2	Remember
8	Explain the importance of Material Design principles in Android UI and discuss how they improve user experience.	CO2	Analyze

