

**Parul University**  
**Faculty of Engineering & Technology**  
**Parul Institute of Technology**  
**Assignment No. 1**

## Assignment:1

### Android Fundamentals & Development Environment

Que. No	Question	CO	Blooms Taxonomy
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

