**Class Assignment (Graded)**

**Note:Each Question is of 5 Marks (5 x 5 = 25) further, it will be scaled down to 10 Marks**

1. Explain the key differences between native, web, and hybrid mobile application development. Discuss the advantages and disadvantages of each approach.
2. Describe the Android architecture. How does each layer contribute to the overall functioning of an Android application?
3. Discuss the Android Activity life-cycle. Explain how different states of an Activity are managed and why understanding this life-cycle is crucial for Android developers.
4. Compare and contrast the use of different Android Views such as `TextView`, `EditText`, and `Button`. Provide examples of scenarios where each might be appropriately used.
5. Explain the differences between LinearLayout and RelativeLayout in Android development. Provide examples of use cases where one might be preferred over the other.