**Professional Masters in Information Technology (PMIT)**

**Institute of Information Technology (IIT)**

Jahangirnagar University, Savar Dhaka

IT 6113: Mobile Application Development

**Tutorial –1**

Time: 45 Min. **Answer any Two Questions** Marks: 20

**All parts of a particular question must be answered consecutively**

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| --- | --- | --- |
| 1(a). | What are the main folders and files required to implement an application in android studio? | 4 |
| (b). | Android is an OS, an open source and a platform - explain why? | 4 |
| (c). | Write some features of Android with a suitable image. | 2 |
|  |  |  |
| 2(a). | Draw the Android architecture and write the main component used an Android application. | 4 |
| (b). | What are the following files in Android?   1. Gradle Scripts and Manifests files in Android? 2. Main Activity File (MainActivity.java)? 3. Layout File (activity\_main.xml)? | 4 |
| (c). | Make list of Android platform version, code name with their API level. | 2 |
|  |  |  |
| 3(a). | How many ways can be setup android development environment and what are the different components of Android Studio? | 4 |
| (b). | Write the meaning of the following statement.[xmlns:android=“http://schemas.android.com/apk/res/android”?](                xmlns:android=\“http://schemas.android.com/apk/res/android\”?)  1. [<?xml version=“1.0” encoding=“utf-8”?>](https://stackoverflow.com/questions/13743250/meaning-of-xml-version-1-0-encoding-utf-8) | 3 |
| (c). | Differentiate between:   1. Margin and Padding 2. View and ViewGroup? 3. "match\_parent" and ="wrap\_content" | 3 |
|  |  |  |
| 4(a). | What are the two modes of UI and why they are for? | 2 |
| (b). | How many layouts are available in Android? Explain. | 2 |
| (c). | What is for android gravity and ems? | 2 |
| (d). | Make a list of Mobile Devices and Mobile Companies for Android. | 2 |
| (e). | Describe about Brick Model. | 2 |