



Professional Masters in Information Technology (PMIT)

Institute of Information Technology
Jahangirnagar University
PMIT Final Examination (Summer: 2022)

Course Code: IT-6113

Intake : Spring 2022, Summer 2022

Course Title: Mobile Application Development

Marks: 60

Time: 3 Hours

Answer any FIVE questions

(All parts of a particular question must be answered consecutively)

- 1 (a) Draw and explain Activity Lifecycle of Android (use necessary code and diagram). 4
(b) Which class, object and properties are used for notification? Write a sample code using these. 4
(c) Write a sample code of TextView and ListView. 4
- 2 (a) What is Android Layout? Briefly describe different types of Layout with respective diagram. 4
(b) With example explain the following properties used in Layout: i. gravity, ii. layout_weight, iii. weightSum, iv. alignParentRight. 4
(c) Write the purpose of screen orientation in Android. 4
- 3 (a) Draw the Android architecture and write the main component used an Android application. 4
(b) What is Open Handset Alliance (OHA) and what is its purpose? 4
(c) What are the main folders and files required to implement an application in android studio? 4
- 4 (a) Android is an OS, an open source and a platform - explain why? 4
(b) Differentiate between: 4
 i. TextView and ScrollView, ii. Margin and Padding Attributes.
(c) What is for AndroidManifest.xml file? Write necessary code for AndroidManifest.xml. 4
- 5 (a) Mansion some animations used in Android. 4
(b) What are the two modes of UI and why they are for? 4
(c) What is for: 4
 i. android:textColor="#bd82ac"
 ii. android:textSize="40sp"
 iii. android:layout_width="match_parent"
 iv. android:layout_width="wrap_content"
- 6 (a) How many callback methods are in android? Explain their behavior at different stages in Android. 4
(b) What is Android Intent for, and how many types of Intent are? 4
(c) Mansion different types of adaptor in Android. 4
- 7 (a) Draw and explain Activity Lifecycle of Android (use necessary code and diagram). 4
(b) How to create "menu" in Android, what are the different items of "menu"? 4
(c) Sketch the entire, visible and foreground lifetimes of android activity or fragment transition during execution. 4