[Max. marks: 70]

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M.Sc. (COMP.APPLI.) (Sem – I)

Examination December - 2023

Fundamentals of Mobile Application Development

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[Time: Three hours]

Instructions:

1. All questions are compulsory.

- 2. Figure to the right indicate full marks.
- 3. Mention your options clearly.

Q.1 Answer the following questions (Any Seven)

14

- 1. Define Android Toast.
- 2. List dialogbox supported by android app.
- **3.** What is adapter in ListView?
- **4.** What is Android SDK?
- 5. How to pass data between activities?
- **6.** Define execSQL()
- **7.** What is preferences?
- 8. Define TableLayout

Q.2 Answer in detail. (Any two)

14

- 1. Write a note on TextEditing with TextWatcher
- 2. Write steps that involves installation of android studio.
- 3. Write a note on Dalvik Virtual Machine.

Q.3 Answer the following (Any Two)

14

- **1.** Write a note on FrameLayout.
- 2. Explain ProgressBar, Vertical and Horizontal ScrollView
- 3. Write a note on Android Fragments and the modern use of it in application.

Q.4 Answer the following (Any Two)

14

- 1. Explain how to implement menus in Android System.
- 2. What is Intent? What is the use of it? Explain giving example.
- **3.** Describe the process of handling Cursors in Android, especially when fetching data for a ListView.

Q.5 Do as directed. (Any Two)

- 14
- 1. Explain with example the situation where the Alarm Manager can be useful.
- 2. Explain FileInputStream and FileOutputStream to read data from device storage.
- 3. Explain key methods of the SQLiteOpenHelper class.