DI-1749
M. Sc. (I.T.) (Sem. IX) Examination
March/April – 2016
Smart Device Computing Using Android

Time : 3 Hours] [Total Marks : 70

Instructions :
(1)

(2) Draw neat figures and give example whenever necessary.

Q.1 Answer the following questions in short. [16]
1. What do you mean by API level?
2. Explain the importance of R.java in android.
3. What is the importance of XML based layouts in Android?
4. What are intents? Explain different types of it.
5. Explain the importance linux kernel in Android architecture.
7. Explain about event handling in Android.
8. List out different types of XML based animation.

Q.2 Answer the following questions. (Any Three) [18]
1. Explain in brief about various component of Android application development.
2. Explain different methods used during Activity lifecycle in detail.
3. Explain Android architecture in detail and compare it with other smart device OS available in the market.
4. How event handling occurs in Android? Write source code to show the functioning of event handling in Android.

Q.3 Answer the following questions. (Any Three) [18]
1. What are the features of SQLite? Write source code to show insert and update operations in SQLite.
2. What is background service? Explain with example how to start and stop it.
3. What are different types of adapter? Explain about ListView with Array Adapter.
4. Differentiate Activity and Fragment. Explain about fragment with example.
Q.4 Answer the following questions. (Any Three)
1. What is content provider? Write steps to implement it.
2. Write steps to publish Android app on google store.
3. Explain any three types of XML based animation with example.
4. What is the advantage of shared preference? Explain with example.