DF-1461

M. Sc. (Computer Application) (Sem. III) Examination
March/April – 2016
Paper : 302 : Mobile Application Development
(New Course)

Time : 3 Hours] [Total Marks : 70

Instruction :

1: Attempt any 3 ...........................................................................................................[18]
   A. List characteristics of Smart Devices. List name of various mobile OS.
   B. Compare Dalvik and java byte code. Discuss significance of .dex file.
   D. What are Toast notifications? How Toast notifications are implement in Android?

2: Attempt any 3 ...........................................................................................................[18]
   A. Explain android software stack in Detail.
   B. What is Content Provider? Explain - How can an Android application read data from content provider?
   C. What are intents? Discuss usage of intent for android application. Differentiate use of implicit and explicit intent.
   D. Consider that Button tag and TextView tag with id mybutton1 and mytext1 are declared in activity_main.xls (layout) file. How these resources can be used by java code in Android application?

3: Attempt any 3 ...........................................................................................................[18]
   A. Give proper code segments and explain process for insertion and modification of records in SQLite database.
   B. Write meaning and usage of DDMS, ADB and AVD as android development tools.

DF-1461] [Contd...
C. Discuss advantages of XML-based layouts. Explain significance of strings.xml files.

D. Explain and differentiate callback methods for touch-screen events
   - onClick(), onTouch() and onLongClick().

4: Do as directed .................................................................[16]

A. Explain usage and significance of following files/folders in
   Android application project (Any 3) .........................[12]
   1) AndroidManifest.xml files
   2) res/values folder
   3) R.java file
   4) res/layout folder

B. Explain usage of Broadcast Receiver ....................[04]