



**B.C.A. (Revised) (Semester – V) Examination, October 2015**  
**COMPUTER SCIENCE (CS)**  
**Elective – I : Android Programming**

Duration : 2 Hours

Max. Marks : 50

- Instructions :** 1) **All questions are compulsory.**  
2) **Figures to the right indicate full marks.**  
3) **Draw diagrams wherever necessary.**  
4) **Q. 2 to Q. 5, Answer only one : X or Y.**

1. A) Fill in the blank : (5×1=5)
- i) .apk stands for \_\_\_\_\_ package.
  - ii) \_\_\_\_\_ is build-in database that is shipped with Android.
  - iii) The Android \_\_\_\_\_ contains a debugger, libraries, an emulator, documentation, sample code and tutorials.
  - iv) DialogFragment is a part of the \_\_\_\_\_ class.
  - v) To share the data across all applications, one should go for \_\_\_\_\_.
1. B) State whether the following statements is **True** or **False** : (5×1=5)
- i) A typical Android application is a collection of Activity, services, broadcast receivers and content providers.
  - ii) An Broadcast Receiver is the one where in the stop state, does nothing.
  - iii) Internet is the permissions you need to declare in your AndroidManifest.xml file for an HTTP connection.
  - iv) addAlert() is used for monitoring a location.
  - v) Activity is an application in Android that runs in the background without needing to interact with the user.
2. Answer the following : 10
- A) List any two ways of Persisting data in Android. 2
  - B) What are the three content providers found in Android ? 3
  - X) Explain the various phases of the activity life cycle of Android. Illustrate. 5
- OR
- Y) With the help of a diagram, explain the architecture of Android. 5

RD-07



3. Answer the following : 10
- A) What is the purpose of IntentService class ? 2
  - B) On what reasons a map is not displayed after loading the Android application ? 3
  - X) Explain any five layouts supported by Android. 5
- OR
- Y) What are the various methods of deploying apk file onto devices ? 5
4. Answer the following : 10
- A) What is Menu in Android ? 2
  - B) Compare between ListView and SpinnerView in Android. 3
  - X) Discuss with code snippet to send and receive SMS through Android. 5
- OR
- Y) Justify briefly the conditional check of Android version using content providers with the help of snippet of code. 5
5. Answer the following : 10
- A) List any 2 basic views used in Android. 2
  - B) Write in brief note on Gallery and Image View views. 3
  - X) Discuss the differences between the Internal Storage V/s External Storage. 5
- OR
- Y) Discuss the ways of Displaying Maps in Android. 5