



B.C.A. (Semester - V) (Revised) Examination, October 2013  
COMPUTER SCIENCE (Elective)  
(Android Programming)

Duration : 2 Hours

Max. Marks : 50

**Instructions :** Draw neat diagram wherever necessary.  
Figure to right indicate full marks.

1. A) Select the appropriate option and rewrite the statements : (5×1)
- a) The \_\_\_\_\_ class provide one of the fundamental building blocks of android development.
    - i) activity
    - ii) services
    - iii) views
    - iv) none of the above
  - b) The android \_\_\_\_\_ package provide us with wide variety of purpose built component such as text view, date pickers and other familiar UI elements.
    - i) widgets
    - ii) layout
    - iii) viewgroup
    - iv) views
  - c) Android provide a handy little pop-up that requires no dismissing called \_\_\_\_\_
    - i) alert box
    - ii) toast
    - iii) dialogbox
    - iv) none of the above
  - d) With the help of \_\_\_\_\_ through android phone manage to access with internet.
    - i) views
    - ii) webview
    - iii) viewgroup
    - iv) none of the above
  - e) \_\_\_\_\_ essential to connect with maps.
    - i) Google API key
    - ii) Android API key
    - iii) Latitude and longitude
    - iv) LocationManager
- B) Answer the following : (5×1)
- a) Images which are used for developing android apps stored in \_\_\_\_\_
  - b) API level of android 4.3 in AVD manager is \_\_\_\_\_
  - c) On which mobile phone android launch their latest version 4.3.
  - d) List any two features of android which makes android famous.
  - e) \_\_\_\_\_ file to be modify to set the permissions.



- 2. A) Write a syntax of Intent to dial number. 2
- B) Explain android activity life cycle. 3
- C) Write a Java code to call intent to call user, send sms and send emails. 5
  
- 3. A) Write syntax for creating the object of imageview. 2
- B) Who develop android and explain types of Intent ? 3
- C) Explain android architecture and components of android. 5
  
- 4. A) Write syntax to declare Toast Notification. 2
- B) Explain menus. 3
- C) Write a Java code to display data in web view. 5
  
- 5. A) Differentiate between internal storage v/s external storage. 2
- B) Explain Spinner in android. 3
- C) Write short note on (any two) : 5
  - a) Sqlite
  - b) GPS
  - c) Content providers.