



B.C.A. (Revised) (Semester – V) Examination, October 2014
COMPUTER SCIENCE ELECTIVE (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.

1. A) Select the **only one** appropriate option for the following : **(5×1=5)**

a) What does the .apk stands for ?

i) Application package

ii) Application Programming Kit

iii) Android Proprietary Kit

iv) Android Package

b) What build in database android shipped with ?

i) SQLite

ii) Apache

iii) MySQL

iv) Oracle

c) Which component is not activated by an intent ?

i) Activity

ii) Services

iii) Content Provider

iv) Broadcast Receiver

d) Which one is NOT related to fragment class ?

i) Dialog Fragment

ii) List Fragment

iii) Preference Fragment

iv) Cursor Fragment

e) If you want share the data across the all applications, you should go for ?

i) Shared Preferences

ii) Internal Storage

iii) SQLite Database

iv) Content Provider

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B) State whether the following statements is **true** or **false** : (5×1=5)

- a) Android application is loose collection of activity, services, broadcast receivers and content providers.
- b) An activity in stop state doing nothing.
- c) Internet is the permissions you need to declare in your Android Manifest.xml file for an HTTP connection.
- d) AddProximity Alert() is used for monitoring a location.
- e) Broadcast Receiver is an application in Android that runs in the background without needing to interact with the user.

2. Answer the following : 10

- A) State any two ways of Persisting data. 2
- B) Describe any three content providers found in android. 3
- X) Explain with diagram the activity life cycle. 5

OR

Y) Explain with diagram the architecture of android. 5

3. Answer the following : 10

- A) What is the purpose of IntentService class ? 2
- B) List the reasons for map not being showed after loading the application. 3
- X) Explain the different layouts supported in android. 5

OR

Y) Discuss various methods of deploying apk file onto devices. 5



4. Answer the following : 10
- A) Define Menu in Android. 2
 - B) List the various differences between ListView and SpinnerView. 3
 - X) Discuss with code snippet to send and receive SMS through android. 5

OR

- Y) Justify briefly with the help of code snippet for conditional check of android version using Content providers. 5

5. Answer the following : 10

- A) List any 4 basic views used in Android. 2
- B) Write a short note on Gallery and Image View views. 3
- X) Differentiate the following : 5
 - i) Internal Storage V/s External Storage.
 - ii) Implicit Intent V/s Explicit Intent.

OR

- Y) Write a short note of Displaying Maps. 5

c) Which component is not activated by default?

- i) Activity
- ii) Content Provider
- iii) BroadcastReceiver
- iv) BroadcastReceiver

d) Which one is NOT related to fragment class?

- i) Dialog Fragment
- ii) List Fragment
- iii) Preference Fragment
- iv) Cursor Fragment

e) If you want share the data across the all applications, you should go for?

- i) Shared Preferences
- ii) Internal Storage
- iii) SQLite Database
- iv) Content Provider