



**B.C.A. (Semester – V) Examination, October 2018**  
**COMPUTER SCIENCE (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.

1. A) Fill in the blanks : (5×1=5)

- i) \_\_\_\_\_ file decides the launcher activity for the android app.
- ii) \_\_\_\_\_ is a relational database that is comes built-in with android.
- iii) Android.permission. \_\_\_\_\_ is required to be put in the manifest file to get accurate location of the user.
- iv) \_\_\_\_\_ intent and \_\_\_\_\_ intent are the two types of intent.
- v) \_\_\_\_\_ is a component that is used to perform operations in the background and does not have a user interface.

B) Give a point of difference between the following : (5×1=5)

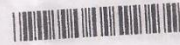
- i) LinearLayout and RelativeLayout.
- ii) Wrap\_content and match\_parent.
- iii) Activity and fragment.
- iv) Dp and Sp.
- v) Broadcast Receivers and Services.

2. Answer the following :

- A) Write a basic syntax for Displaying a Toast in android. 2
- B) Draw a neat diagram and explain the Architecture of Android. 3
- C) Draw a neat diagram and explain Life cycle of an Activity in android. 5

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3. Answer the following :

- A) Write the syntax for Setting SharedPreferences in android and retrieving SharedPreferences value. 2
- B) Write syntax for Starting an activity, passing data to the activity and retrieving data in that activity. 3
- C) Write a short note on manifest and Frame Layout. 5

4. Answer the following :

- A) Write a note on Overflow Menu. 2
- B) Write a syntax to create Android intent to make a phone call to phone number - 0777772222. 3
- C) Write a java code to display data in web view. 5

5. Answer the following :

- A) Differentiate between internal storage and external storage. 2
- B) Explain spinner view in android. 3
- C) Write a short note on (any two). 5
  - i) Alert dialog
  - ii) View and view group
  - iii) Sqlite.