

Total No. of Printed Pages:2

BCA (Semester – V)
EXAMINATION OCTOBER 2019
Computer Science Elective- I : Android Programming

[Duration : Two Hours]

[Max. Marks: 50]

Instructions :

- 1) All questions are **compulsory**
- 2) Figures to the **right** indicate **full marks**

- Q.1 A) Answer the following 5X1=5
- i) What is AutoComplete TextView?
 - ii) What is the difference between the dp unit and the sp unit?
 - iii) What is the purpose of the image View?
 - iv) What is a service?
 - v) Name the permission you need to declare in your AndroidManifest. xml file for sending SMS messages.
- B) Fill in the blanks 5X1=5
- i) ----- method is used to display the time in the 24 – hour format
 - ii) ----- is a Picker view
 - iii) In Android the ----- menu is activated by pressing the MENU button.
 - iv) ----- method is called when the activity is connected to the Service.
 - v) ----- class is useful to display the preferences of a application using an activity.
- Q.2 Answer the following 10
- A) List two techniques to handle changes in screen orientation. 2
 - B) Write a short note on choosing the best storage option in Android Application 3
 - C) Explain any five features of Android. 5
- Q.3 Answer the following 10
- A) List any four events defines by Activity class. 2
 - B) Explain calling Built – in application using intent. 3
 - C) Write & explain the java snippet for Honeycomb to retrieve in ascending order all Contact Names ending with “bee” from the Contacts Application. 5
- Q.4 Answer the following 10
- A) Explain the TableLayout of an Android UI. 2
 - B) Write the required code to be added in main.xml to display the AnalogClock and DigitalClock Views. 3
 - C) Explain displaying Maps in Android. 5

- Q.5 Answer the following 10
- A) Explain Spinner View 2
 - B) Write a short note on BroadcastReceiver. 3
 - C) Explain the procedure to create a developer profile on the Android Market. 5