

Reg. No .....

Name .....

**BCA DEGREE END SEMESTER EXAMINATION - MARCH 2020**  
**SEMESTER 4 : MOBILE APPLICATIONS AND CLOUD TECHNOLOGY**

**COURSE : 16U4CRBCA13: BASIC ANDROID**

*(Common for Regular 2018 Admission and Improvement / Supplementary 2017/2016 Admissions)*

Time : Three Hours

Max. Marks: 75

**Section A**

**Answer All (1 marks each)**

1. What is Dalvik Ececutable?
2. The class belong to Content Provider which handles the data that are passed between application are called as?
3. Which of the android UI control displays the checked or unchecked state of the button?
4. .... is a process by which the Event Handler gets registered with the event listener.
5. .... mode in the file can only be accessed using calling application.
6. .... method obtains a request from a client.The result is returned as a Cursor object.
7. The resources can be released through the ----- method.
8. To get a list of paired devices by calling ..... method.
9. A ..... is required by the Android testing framework.
10. Service Test Case extends the ..... Test Case class.

(1 x 10 = 10)

**Section B**

**Answer any 8 (2 marks each)**

11. Describe the features of Android studio.
12. What is the use of the tag <uses-sdk> in Manifest file?
13. What is a Image Switcher? Write the code snippet to declare Image Switcher in XML layout.
14. What is a context menu in android?
15. How to read data from the files in the external storage?
16. What is the need for Content Value class in android?
17. What is the use of getLastKnownlocation() method in maps?
18. What is geocoding?
19. What is alpha testing?
20. Describe about tearDown() method of the TestCase class.

(2 x 8 = 16)

**Section C**

**Answer any 5 (5 marks each)**

21. Discuss about various components in Android platform.
22. Illustrate the use of Manifest file.
23. Write the code snippet for declaring button in the XML file and in Java file.

24. Describe about the built in content providers.
25. What is the significance of Location Manager class?
26. Describe the steps needed to play an audio file.
27. Differentiate between manual and automated testing.

(5 x 5 = 25)

#### **Section D**

#### **Answer any 2 (12 marks each)**

28. What are the features of android? Describe about the android architecture with the help of a neat diagram.
29. List out the different types of layouts and explain each of them with suitable diagrams and code snippet.
30. Explain the steps involved in working with shared preferences through an example.
31. What are the different types of android testing? Briefly explain about each type of testing.

(12 x 2 = 24)