

**B.C.A DEGREE END SEMESTER EXAMINATION MARCH 2018**  
**SEMESTER – 4: BACHELOR OF COMPUTER APPLICATION (BCA) (CORE COURSE)**

**COURSE: 16U4CRBCA13: BASIC ANDROID**

*(For Regular - 2016 Admission)*

Time: Three Hours

Max. Marks: 75

**PART A**

Answer **all** the questions. Each question carries **1** mark.

1. Android OS is based on ..... Kernel
2. API stands for .....
3. A Collection of views in android is called.....
4. .... Stores android OS data.
5. .... has been replaced by Action Bar in Android
6. Supporting multiple languages in android is called .....
7. ....Is used to access Android Contacts programmatically.
8. Android Sensors are accessed programmatically using .....
9. .... links Google Maps with android.
10. DDMS stands for ..... (1 x 10 = 10)

**PART B**

Answer **any Eight** of the following questions. Each question carries **2** marks.

11. Explain about history of android?
12. Explain about Android SDK?
13. What is WebView, explain its use?
14. Explain about fragments in Android?
15. Explain the structure of URI in Content Providers?
16. What is Shared Preferences, explain?
17. What is Media API, explain?
18. Explain about Google Maps?
19. Explain different types of testing in android?
20. Explain the use of DDMS? (2 x 8 = 16)

**PART C**

Answer **any Five** of the following questions. Each question carries **5** marks.

21. Explain about Android Application Environment?
22. Explain Broadcast Receivers and its use?
23. How to Create a custom widget?
24. Differentiate between Resource and Asset, how are both handled in android?
25. How to write data to external storage?
26. How to listen to Sensor Reading in Android?
27. Explain about test classes in android? (5 x 5 = 25)

**PART D**

Answer **any Two** of the following questions. Each question carries **12** marks.

28. Explain Android Architecture with the help of a neat diagram?
29. How is events handled in Android, explain at least three different events in detail?
30. Write a program to demonstrate the use of Shared Preferences, explain each step?
31. Explain in detail the steps required to display Google Map in android, write necessary code snippets? (12 x 2 = 24)

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