

**B C A DEGREE END SEMESTER EXAMINATION - JULY 2021**  
**SEMESTER 4 : MOBILE APPLICATIONS AND CLOUD TECHNOLOGY**  
**COURSE : 19U4CRBCA13 ; BASIC ANDROID**

*(For Regular - 2019 Admission and Supplementary - 2016/2017/2018 Admissions)*

Time : Three Hours

Max. Marks: 75

**PART A**

**Answer any 10 (1 marks each)**

1. Which method is invoked to bind a service?
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. .... behaves as an abstraction layer between its repository of data and the external structure of data in the form of tables.
6. .... method is used to get a SharedPreferences.Editor.
7. In android video can be played using the ..... class.
8. The list of sensors supported by the device can be obtained by calling the ..... method.
9. What is automated testing.?
10. What is the full form of DDMS?

**(1 x 10 = 10)**

**PART B**

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

11. What is a Service in Android?
12. How can we create layouts in android?
13. Write the code snippet for declaring Radio Button and Radio Group in XML layout.
14. What are the types of adapters?
15. How to write data to the files in the external storage?
16. What is the need for Content Value class in android?
17. What is the use of setZoomControlsEnabled() method in maps?
18. What is geocoding?
19. What is Beta testing?
20. Describe about tearDown() method of the TestCase class.

**(2 x 8 = 16)**

**PART C**

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

21. Discuss about various components in Android platform.
22. Write the code snippet to create Relative Layout with two Text View programmatically.
23. Describe about the resources and assets in android.
24. How to load and save data in shared preferences?
25. Explain the use of sensors in android.
26. What is the significance of Location Listener class?
27. Differentiate between manual and automated testing.

**(5 x 5 = 25)**

**PART D**

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

28. Explain about the architecture of android and various blocks in it.
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. Describe in detail about the activity testing, service testing and the content provider testing.  
**(12 x 2 = 24)**