Reg. No ....   Name **23U417**

B C A DEGREE END SEMESTER EXAMINATION : MARCH 2023
SEMESTER 4 : MOBILE APPLICATIONS AND CLOUD TECHNOLOGY
COURSE : **19U4CRBCA13: BASIC ANDROID**
(For Regular - 2021 Admission and Improvement / Supplementary - 2020/2019/2018/2017/2016 Admissions)

Time : Three Hours   Max. Marks: 75

PART A
Answer All (1 mark each)

1. ----------------------- is a process by which the Event Handler gets registered with the event listener.
2. ---------------------- method returns the MIME type of the data at the given URI.
3. Android permits access to music and sound using ----------------------- class.
4. Describe about onResume() callback method in activity lifecycle?
5. Which android component helps in passing values from one activity to another?
6. What is the full form of DDMS?
7. Which of the android UI control displays the checked or unchecked state of the button?
8. The removable storage medium, micro SD card is called as the ------------------ storage.
9. ----------------- method computes the device's orientation based on the rotation matrix.
10. The --------------- method is used to initialize the environment before executing each test.

(1 x 10 = 10)

PART B
Answer any 8 (2 marks each)

11. What is GPS exchange format?
12. How the test is executed in android application?
13. What is a Content URI?
14. What is an explicit intent?
15. What is geocoding?
16. What are the attributes for declaring Button in the XML file?
17. What is the use of intent-filter?
18. What are the commands of DML in SQLite?
19. Write the code snippet for declaring Radio Button and Radio Group in XML layout.
20. What is the significance of Dalvik Debug Monitor Service?

(2 x 8 = 16)

PART C
Answer any 5 (5 marks each)

21. What is the significance of Location Manager class?
22. How to read and write data in the files from the external storage?
23. Differentiate between manual and automated testing.

24. Explain about android runtime in android framework.
25. Write the code snippet for declaring Radio button on click event.
26. Explain the capabilities of Bluetooth in android.
27. Discuss about various components in Android platform.

(5 x 5 = 25)

PART D
Answer any 2 (12 marks each)

28. What are the different types of android testing? Briefly explain about each type of testing.
29. Write an android application to read two numbers and display their sum in a TextView on button click. Write the Java file and layout file.
30. What are the features of android? Describe about the android architecture with the help of a neat diagram.
31. Write an android application to read and write data in files in an internal storage.

(12 x 2 = 24)