

B C A DEGREE END SEMESTER EXAMINATION - MARCH 2025**SEMESTER 4 : MOBILE APPLICATIONS AND CLOUD TECHNOLOGY****COURSE : 19U4CRBCA13 : BASIC ANDROID**

*(For Regular 2023 Admission and Improvement/Supplementary 2022/ 2021/2020/
2019/2018/2017/2016 Admissions)*

Time : Three Hours

Max. Marks: 75

PART A**Answer All (1 mark each)**

1. The removable storage medium, micro SD card is called as the ----- storage.
2. What is a Menu in android?
3. ----- method will return the current position of the video playback.
4. Describe about onStop() callback method in activity lifecycle.
5. Describe about onRestart() callback method in activity lifecycle.
6. The ----- checks whether the activity reacts properly to the user interface or not.
7. What is the full form of DDMS?
8. What is the use of Check Box view group?
9. The ----- class is the base class for the HTTP network access.
10. To get a list of paired devices by calling ----- method.

(1 x 10 = 10)**PART B****Answer any 8 (2 marks each)**

11. How to save data to the shared preferences?
12. How to read data from the files in the external storage?
13. Describe about testPreconditions() method of the TestCase class.
14. What is a Image Switcher? Write the code snippet to declare Image Switcher in XML layout.
15. What are the permissions that need to added to the manifest file for displaying maps?
16. Describe the features of Android studio.
17. What is the use of the tag <uses-permission> in Manifest file?
18. What is the use of CursorAdapter and SimpleAdapter?
19. What is the significance of Dalvik Debug Monitor Service?
20. Explain how to instantiate the LocationProvider class.

(2 x 8 = 16)**PART C****Answer any 5 (5 marks each)**

21. What is the significance of Location Listener class?
22. Discuss about various components in Android platform.
23. Differentiate between geocoding and reverse geocoding.
24. Elaborate the working of content provider.
25. Elaborate the features of Android platform.
26. Write the code snippet for declaring EditText in the XML file and Java file.
27. What are the important aspects to consider content provider testing?

(5 x 5 = 25)

PART D

Answer any 2 (12 marks each)

28. Describe in detail about the activity testing, service testing and the content provider testing.
29. What are the features of android? Describe about the android architecture with the help of a neat diagram.
30. List out the different types of layouts and explain each of them with suitable diagrams and code snippet.
31. Write an android application to read and write data in files in an internal storage.

(12 x 2 = 24)