

C 20071

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Name.....

Reg. No.....

**SIXTH SEMESTER (CUCBCSS—UG) DEGREE EXAMINATION
MARCH 2022**

B.C.A.

BCA 6B 11—ANDROID PROGRAMMING

(2017 to 2018 Admissions)

Time : Three Hours

Maximum : 80 Marks

Part A (Short Questions)*Answer all questions.**Each question carries 1 mark.*

1. What is Android Cursor ?
2. Define the purpose of Android Manifest .Xml ?
3. Name the four states in the Android Life Cycle ?
4. What are Layout Resources ?
5. What is Pending Intent ?
6. What is SQLite ?
7. Name the two Important Parts of Android SDK ?
8. What is a view in Android ?
9. The first Android Version was released in the year _____.
10. What are containers ?

(10 × 1 = 10 marks)

Part B (Paragraph)*Answer all questions.**Each question carries 2 marks.*

11. What are styles and themes in Android ?
12. Write about popup menu in Android with Example ?
13. What is the function of the action bar ?
14. What is the use of Content provider ?
15. What are the four key components of Android architecture ?

Turn over

16. What is the purpose of WHERE clause ?
17. How to implement MapView in Android ?
18. List features of Android Operating System.

(8 × 2 = 16 marks)

Part C (Short Essays)

*Answer any **six** questions.
Each question carries 4 marks.*

19. Explain Check Box in detail with Example.
20. Explain Architecture of content providers.
21. What is an AVD ? Explain the uses.
22. Explain Android software Stack ?
23. What are the attributes of Radio Button control ? Explain.
24. Write note on Android Manifest ?
25. What is the use of Fragments in Android ?
26. Differentiate String Resources and Layout Resources ?
27. Write short note on Adapters and Adapter views ?

(6 × 4 = 24 marks)

Part D (Essays)

*Answer any **three** questions.
Each question carries 10 marks.*

28. Describe the significance of SQLite database in Android.
29. Develop a simple calculator using table layout.
30. Briefly explain the following Android menus
 - Icon menu.
 - Sub menu.
 - Context menu.
 - Dynamic menus.
31. How to create a dynamic RadioButton in Android ?
32. What are content providers? Explain how to query, read, update and delete data in content providers ?

(3 × 10 = 30 marks)