

C 80178

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Name.....

Reg. No.....

SIXTH SEMESTER B.A./B.Sc. DEGREE EXAMINATION, MARCH 2020

(CUCBCSS—UG)

Computer Science

BCS 6B 11—ANDROID PROGRAMMING

(2017 Admissions)

Time : Three Hours

Maximum : 80 Marks

Part A

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

1. What is the name of Virtual machine in Android ?
2. Which of the library in Android is responsible for browser support ?
3. What is the final executable code in Android ?
4. What is Android cursor ?
5. What is Layout Resource ?
6. Which controls are used to select date and time ?
7. Which method is called to clear all Radio button within the radio group ?
8. Name the method which is called when the menu item has been invoked.
9. What callback method is used to create menu items ?
10. What is shared preference ?

(10 × 1 = 10 marks)

Part B

*Answer all questions.
Each question carries 3 marks.*

11. Write a note on the history of Android.
12. What is resource in Android ? Explain Plurals with example.
13. What are Adapters ? How it is different from List Controls ?
14. What are the attributes of Menu item ? Explain.
15. Write a Brief note on List Preference.

Part C

*Answer any five questions.
Each question carries 5 marks.*

16. Briefly explain any *three* Android Java Packages that are included in Android SDK.
17. Briefly explain the key aspects of Android 4.0.
18. Briefly describe any *four* types of Resources available in Android.
19. What is Dimension Resource ? Which all the units used to specify dimensions ? Give XML syntax for defining dimension resources.
20. What is Layout ? Give brief description of any *three* layouts.
21. Explain Spinner Control and its purpose by giving suitable example.
22. Explain how to respond to XML-Based Menu Items ? Explain with example
23. How to save and retrieve shared preferences ?

(5 × 5 = 25 marks)

Part D

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

24. Explain Android SDK software stack with appropriate diagram.
25. Briefly explain the following Android resources.
 - (a) Colors.
 - (b) Strings.
 - (c) Emulator.
 - (d) Images.
26. Briefly explain the following Android Layout Manger.
 - (a) Linear Layout
 - (b) Table Layout
 - (c) Relative Layout
 - (d) Grid Layout
27. What are check boxes and radio buttons ? Write a sample code to show the use of check boxes and radio buttons in Android
28. What is SQLite ? Explain Insert, Update and Delete commands in SQLite with suitable examples.

(3 × 10 = 30 marks)