C 1134 (Pages : 3) Name...

Reg. No...............................

SIXTH SEMESTER (CUCBCSS–UG) DEGREE EXAMINATION, MARCH 2021

Computer Science

BCS 6B 11—ANDROID PROGRAMMING

(2017 Admissions)

Time : Three Hours   Maximum : 80 Marks

Section A

Answer all questions.

Each question carries 1 mark.

1. What is Android's basic UI building blocks ?

2. What is a Fragment ?

3. Which method is called by Android when the activity is freshly created ?

4. What do you mean by Plurals ?

5. What is a Cursor ?

6. Name the Android Layout manager which allows you to dynamically change the controls in the layout ?

7. Which control in Android is typically used to display images ?

8. What callback method is used to create a context menu ?

9. What is the parent class of Fragment ?

10. Name the preference which allows you to capture raw text rather than ask the user to make a selection ?

(10 × 1 = 10 marks)

Section B

Answer at least four questions.

Each question carries 4 marks.

All questions can be attended.

Overall Ceiling 16.

11. Name any three android java packages included in the Android SDK with its functionality.

12. What is AVD ? Why do you use it ?

Turn over

13. Write a brief note on Grid Layout Manager.

14. What is an action bar ? Give its key visual components.

15. Write a brief note on List Preferences and Shared Preferences.

                                                                    (4 × 4 = 16 marks)

Section C

Answer at least four questions.
Each question carries 6 marks.
All questions can be attended.
Overall Ceiling 24.

16. Name all the life-cycle methods that Android calls during the life cycle of an activity.

17. Write a short note on View, Activity, Fragment and Intent.

18. Explain Pending intent and also show how to create pending intent.

19. What is List View ? Write a Java Code for adding Items to List View.

20. Explain the Lifecycle of a Fragment.

21. Write a Code to create a Spinner from a Resource File.

22. Write a detailed note on working with Context Menus.

23. Explain the major data types supported by SQL Lite.

                                                                    (4 × 6 = 24 marks)

Section D

Answer any two questions.
Each question carries 15 marks.

24. Write a detailed note on Android Application life cycle.

25. Write a note on the following Android resources :

     (a) Images.

     (b) String Arrays.

     (c) Dimension.

     (d) Layout.

26. Explain dialogs and Dialog Fragment in Android. Write a code to construct a dialog fragment.

27. Write note on Sub menus and Context menus in Android and also show the following :

    (a) Adding Sub menu.

    (b) Populating a context menu.

    (c) Responding to a context menu.

28. Write appropriate code to add and remove a book from the library and also to display the list of all books in the library.

                                                            $(2 \times 15 = 30$ marks)