

D 50639

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Name.....

Reg. No.....

FIFTH SEMESTER B.Sc. DEGREE EXAMINATION, NOVEMBER 2018

(CUCBCSS—UG)

B.C.A.

BCA 5B 08—ANDROID PROGRAMMING

Time : Three Hours

Maximum : 80 Marks

Part A

Answer all questions.

Each question carries 1 mark.

1. ADT stands for _____.
2. _____ allows applications to publish and share data with other applications.
3. The android library _____ provides access to the application model and is the cornerstone of all Android applications.
4. _____ is the configuration file for Application.
5. XML files that define property animations are saved in res/anim/ folder and are accessed from the _____ class.
6. _____ is the first callback and called when the activity is first created.
7. _____ Layout enables to specify how child views are positioned relative to each other.
8. _____ control is used to display text to the user.
9. URI stands for _____.
10. The _____ UI control of android allows you to select the time of day in either 24 hour or AM/PM mode.

(10 × 1 = 10 marks)

Part B

Answer all questions.

Each question carries 2 marks.

11. What is Dalvik Virtual Machine ?
12. What happens when an android application is compiled ?
13. What do you mean by the state *started* in Services ?

Turn over

14. What is an Adapter ?
15. What is an android Intent ?

(5 × 2 = 10 marks)

Part C

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

16. Explain the methods onBind() and onUnbind().
17. What is a fragment ?
18. Explain List View Attributes.
19. Explain attributes of Button control.
20. Discuss various methods used in content providers.
21. Explain the Action component of Intent object.
22. Explain back stack in android.
23. Write an example program to create and insert records to an SQLite database.

(5 × 4 = 20 marks)

Part D

*Answer any five questions.
Each question carries 8 marks.*

24. With a neat diagram, explain the android software stack.
25. Explain the application components of android.
26. Explain various callbacks in Activity with an Activity life-cycle diagram.
27. Explain various methods in Fragment class.
28. Explain Linear Layout Manager.
29. Explain the different types of android resources.
30. Explain Color resource with an example.
31. Describe Shared Preferences of data persistence.

(5 × 8 = 40 marks)