

D 72031

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Name.....

Reg. No.....

FIFTH SEMESTER B.VOC. DEGREE EXAMINATION, NOVEMBER 2019

(CUCBCSS—UG)

B.Voc. Software Development

SDC 5IT19 (E3)—MOBILE SOFTWARE DEVELOPMENT USING ANDROID

Time : Three Hours

Maximum : 80 Marks

Part A

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

1. What is bundle in android program ?
2. What is JNI in Android :
 - (a) Java Network Interface.
 - (b) Java Interface.
 - (c) Image editable tool.
 - (d) Java native interface.
3. In which technique, we can refresh the dynamic content of android ?
 - (a) java.
 - (b) ajax.
 - (c) android.
 - (d) None of the above.
4. What is frame layout ?
5. Who is the founder of Android Inc ?
6. Which kernel is used in android ?
7. Which permission is needed to write to the external storage ?
8. Which is the accurate method to get current location ?
 - (a) GPS.
 - (b) Network Provider.
 - (c) WPS.
 - (d) None of the above.
9. What is the name of database used in android ?
10. What are the JSON elements in android ?
 - (a) integer,boolean.
 - (b) boolean.
 - (c) null.
 - (d) number, string, Boolean, null, array and object.

(10 × 1 = 10 marks)

Turn over

Part B

*Answer any **eight** questions.*

Each question carries 2 marks.

11. What are the differences between a java program and an android program ?
12. Write a short note on the history of android.
13. Explain different types of dialogues in android.
14. Give the code to create a toast in android.
15. What is the purpose of ADB tool in android ?
16. In our device we store music in different folders, but in our music player we get all songs together as a list, how it is possible?
17. Define threads in android.
18. What is a push message on android ?
19. Explain android graphics.
20. What is portable wifi hotspot ?
21. Explain REST and SOAP.
22. What are android menu ?

(8 × 2 = 16 marks)

Part C

*Answer any **six** questions.*

Each question carries 4 marks.

23. How android devices communicate with the server ?
24. How to send sms in android ?
25. What is the purpose of android telephony manager ?
26. What are the abstract methods in content providers ? Give a short note about it.
27. What are the basic tools to develop an android app ?
28. Why android is an open source?
29. Write a note on virtual machines in android.
30. Explain android media player.
31. Differentiate between Array Adapter and Simple Cursor Adapter.

(6 × 4 = 24 marks)

Part D

*Answer any **two** questions.
Each question carries 15 marks.*

32. Define android architecture.
33. How can we create a database in android ? Write an example code for it.
34. What is the life cycle of UI thread ?
35. How instant messenger applications like Whatsapp, hike, google hangouts starts working automatically after device boot up ? Explain with the help of code.

(2 × 15 = 30 marks)