

**FIFTH SEMESTER B.VOC. DEGREE EXAMINATION, NOVEMBER 2018****Software Development****SDC 5IT 19 (E3)—MOBILE SOFTWARE DEVELOPMENT USING ANDROID**

Time : Three Hours

Maximum : 80 Marks

**Part A***Answer all questions.*

1. Which kernel is used in Android ?
2. Which among the following is not a member of Open Handset Alliance ?
  - (a) Apple.
  - (b) Wipro.
  - (c) Samsung.
  - (d) None of these.
3. \_\_\_\_\_ is used to uniquely identify the framework API version of the android platform.
  - (a) Version number.
  - (b) Code name.
  - (c) API level.
  - (d) None of these.
4. Select the unit that is not recommended for specifying dimensions.
  - (a) Points.
  - (b) Scale Independent Pixels.
  - (c) Density Independent Pixels.
  - (d) Pixels.
5. Where the data stored in Android ?
6. SDK stands for \_\_\_\_\_.
7. Which thread services work in android ?
  - (a) Worker thread.
  - (b) Own thread.
  - (c) Main thread.
  - (d) None of the above.
8. What is bean class in android ?
  - (a) A class used to hold states and objects.
  - (b) A bean class can be passed from one activity to another.
  - (c) A mandatory class in android.
  - (d) None of the above.

**Turn over**

9. Which method is used to find GPS enabled or disabled programmatically in Android ?
- (a) finish(). (b) getGPSStatus().  
(c) onProviderDisable(). (d) getGPSO.
10. What is GCM in Android ?
- (a) Google Cloud Messaging for chrome.  
(b) Google Count Messaging.  
(c) Google Message pack.  
(d) None of the above.

(10 × 1 = 10 marks)

### Part B

*Answer any **eight** questions, not exceeding a paragraph of 50 words.*

11. What are the main application development components of Android ?
12. What is Logcat ?
13. List the advantages of relative layout.
14. What is spinner ?
15. Write the code to create a toast.
16. In our Android 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. What do you mean by AAPT ?
18. Define a thread in Android.
19. How do you disable apps in Android ?
20. What is an adapter ?
21. What are the different methods used to get current location of an Android device ?
22. What is a push button notification on Android ?

(8 × 2 = 16 marks)

**Part C**

*Answer any **six** questions, in a page of 250 words.*

23. Explain about Android emulator.
24. What are the core building blocks of Android ? Give a brief note on each.
25. How to start an application automatically after startup ?
26. What is an event in Android ? Give an example.
27. Write a short note on ADB tool.
28. What is DDMS ? Describe some of its capabilities.
29. Explain about Thread-safe methods.
30. What are the advantages of JSON over XML ?
31. What is the purpose of Android TelephonyManager ?

(6 × 4 = 24 marks)

**Part D**

*Answer any **two** questions, not exceeding **four** pages.*

32. What are the various features and applications of Android ?

*Or*

33. In an Android device, how to pass values from one activity to another. Explain with the help of program code.
34. What is SharedPreferences ? Explain with real world examples.

*Or*

35. Discuss in detail about the Custom Components of Android.

(2 × 15 = 30 marks)