

FIFTH SEMESTER B.Voc. DEGREE EXAMINATION, NOVEMBER 2016

Software Development

SDC 5IT 19 (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 R.Java ?
2. Android support other languages than Java. (True/False).
3. What is FrameLayout ?
4. From the following, select the directory name where the XML layout files are stored.
 - (a) /assets.
 - (b) /src.
 - (c) /es/values/
 - (d) /res/layout/.
5. What is the name of database used in Android ?
6. SDK stands for ———.
7. What is JNI in Android ?
 - (a) Java Network Interface.
 - (b) Java interface.
 - (c) Image editable tool.
 - (d) Java Native Interface.
8. In which technique, we can refresh the dynamic content in Android ?
 - (a) Java.
 - (b) Ajax.
 - (c) Andoid.
 - (d) None of the above.
9. What is JSON in Android ?
 - (a) Java Script Object Native.
 - (b) Java Script Oriented Notation.
 - (c) Java Script Object Notation.
 - (d) None of the above.
10. Which is the accurate method to get current location ?
 - (a) GPS.
 - (b) Network Provider.
 - (c) WPS.
 - (d) None of the above.

(10 × 1 = 10 marks)

Turn over

Part B

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

Each question carries 2 marks.

11. What are the life cycle methods of android activity ?
12. Give the names of widgets in Android.
13. What is context in an android program ?
14. What is explicit intent in Android ?
15. Name some exceptions in android.
16. What is fragment ?
17. Write program to create a file.
18. What is the purpose of SDK ?
19. Write the query used to insert a particular value in the database of an Android application.
20. What is the purpose of ADB tool in Android ?
21. What is the use of AsyncTask ?
22. What do you mean by SOAP ?

(8 × 2 = 16 marks)

Part C

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

Each question carries 4 marks.

23. What are the application development components in Android ? Explain each with practical examples.
24. Write a short note on Android architecture.
25. Differentiate between linear layout and relative layout.
26. What is an event in Android? Give some examples.
27. Write about content provider.
28. How to access SQLite database in Android?
29. Explain AsyncTask.
30. How android devices communicate with server ?
31. Explain the process of sending email in Android using intent.

(6 × 4 = 24 marks)

Part D

*Answer any **two** questions, not exceeding **four** pages.
Each question carries 15 marks.*

32. What is Android Virtual Machine and how it works ?

Or

33. How instant messaging applications like Whats App, Hike, Google Hangout etc. starts working automatically after device boot up ? Explain with the help of the program code.

34. Discuss about Event Reception with Broadcast Receivers.

Or

35. How can we create a database in Android? Write an example program for it.

(2 × 15 = 30 marks)