FIFTH SEMESTER B.VOC. DEGREE EXAMINATION, NOVEMBER 2017

Software Development

SDC 5IT 19 (E3)—MOBILE SOFTWARE DEVELOPMENT USING ANDROID

Time : Three Hours   Maximum : 80 Marks

Part A

Answer **all** *questions.*

1. What is Emulators ?

2. The root element of AndroidManifest.xml is ————-.

   (a) Application.   (b) Activity.

   (c) Manifest.   (d) Action.

3. What is Bundle in Android program ?

4. All layout classes are direct subclasses of ————.

   (a) Android.widget.AbsoluteLayout.   (b) Java.lang.Object.

   (c) Android.view.ViewGroup.   (d) Android.view.View.

5. DDMS stands for ————.

6. What is APK format ?

7. Which thread broadcast receivers will work in android ?

   (a) Worker thread.   (b) Main thread.

   (c) Activity thread.   (d) None of the above.

8. What is sleep mode in Android ?

   (a) Only Radio interface layer and alarm are in active mode.

   (b) Switched off mode.

   (c) Air plane mode.

   (d) None of the above.

9. JSON exception in Android is ————.

   (a) JSon Exception.   (b) Json not found exception.

   (c) Input not found exception.   (d) None of the above.

Turn over

10. What is the package name of HTTP client in Android ?

    (a) com.json.   (b) org.apache.http.client.

    (c) com.android.JSON.   (d) org.json.

$(10 \times 1 = 10 \text{ marks})$

Part B

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

11. What is the difference between a java program and an android program ?

12. What are the tools used for Android development ?

13. What is the purpose of AutoComplete Text View ?

14. Write the code to show toast message.

15. What are the basic tools used to develop an Android app ?

16. What is ANR ?

17. What is the purpose of SQLite database ?

18. What do you mean by A APT ?

19. Define a thread in Android.

20. What are the different Android APIs which helps to play audio and video ?

21. What is an adapter ?

22. What do you mean by portable wifi hotspot ?

$(8 \times 2 = 16 \text{ marks})$

Part C

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

23. Write a note on virtual machine in Android.

24. Explain about the content provider in Android.

25. Write a note on different types of system broadcast receivers.

26. What is the difference between implicit intent and explicit intent in Android ?

27. What you mean by data binding ?

28. Write a java program to write a String into a File.

29. Explain about Android Video Player.

30. Differentiate between Array Adapter and Simple Cursor Adapter.

31. How to create a program to show map of a particular place ?

(6 × 4 = 24 marks)

Part D

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

32. Explain about the advantages and scope of Android.

Or

33. Differentiate between onItem Click Listener and onItem Selected Listener. Explain with the help of program code.

34. What are the different ways to store data permanently in an Android device ? Explain.

Or

35. Discuss about the Process and its life cycle in Android.

(2 × 15 = 30 marks)