

QP CODE: 21101076

Reg No :

Name :

B.Sc / BCA DEGREE (CBCS) EXAMINATION, APRIL 2021

Sixth Semester

CORE - CS6CRT15 - MOBILE APPLICATION DEVELOPMENT- ANDROID

Common for B.Sc Information Technology Model III & Bachelor of Computer Application

2017 Admission Onwards

028813E0

Time: 3 Hours

Max. Marks : 80

Part A

*Answer any **ten** questions.*

*Each question carries **2** marks.*

1. What is Android application Framework?
2. What comprises ADT Bundle?
3. What is Android Virtual Device?
4. Why 'Id' is important for UI controls in Android?
5. How do we setup an AutoCompleteTextView?
6. Define Service.
7. Define Multimedia.
8. Why we cannot say that SQLite is the replacement of Oracle, but it is the replacement of fopen()?
9. Explain any two methods that are used to iterate through the cursor.
10. Write a function to move records in cursor.
11. Why JSON is language independent?
12. What are the permissions required for setting up the Google maps app in AndroidManifest.xml file?

(10×2=20)

Part B

*Answer any **six** questions.*

*Each question carries **5** marks.*

13. Who are the stakeholders of Android? Explain.

14. Explain Table Layout with example.
15. Write a detailed note on Progress Bar with syntax and example.
16. Write a short note on image view and scroll view.
17. Briefly explain the functions i) onCreate() ii) onPause() iii) onDestroy() iv) onStop()
18. Write java and xml code to play an audio file.
19. How do we setup SQLite database connection?
20. Explain sending SMS with an example.
21. Write the syntax and rule of JSON with example.

(6×5=30)

Part C

Answer any **two** questions.

Each question carries **15** marks.

22. Distinguish between a) .apk and .jar b) JVM and DVM
23. Write java and xml code to find total price of a fruit when fruits name and quantity are entered. Keep the unit price of fruits in memory and a autocomplete text view is used to enter fruit name.
24. a) Explain activity in detail. b) Explain the use of intent with suitable program.
25. Explain parsing JSON and XML.

(2×15=30)