B.Sc / BCA DEGREE (CBCS) REGULAR / REAPPEARANCE EXAMINATIONS, MARCH 2024

Sixth Semester

CORE COURSE - CS6CRT15 - MOBILE APPLICATION DEVELOPMENT- ANDROID

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

2017 Admission Onwards

7ED28D2B

Time: 3 Hours   Max. Marks : 80

Part A

*Answer any **ten** questions.*

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

1.   Write notes on OHA.

2.   What is .apk file ?

3.   What is Dalvik Byte Code ?

4.   What is the use of Buttons in Android?

5.   Write a short note on Spinner.

6.   What are the uses of pending intent?

7.   Write the use of onStop() and onDestroy() methods in Activity life cycle.

8.   How do SQLite provide database features with a compressed library?

9.   What are the parameters used in insert () method?

10. Explain packages needed for SMS telephony

11. Why JSON is language independent?

12. What is the use of Google Maps in Android?

(10×2=20)

Part B

*Answer any **six** questions.*

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

13. Write Short Note on Emulators.

14. Explain Frame Layout with Example.

15. What is custom toast alert? How can we implement it state with example?

16. Create an application that will pass one number to the next screen, and on the next screen shows the double of that number.

17. Explain the android hierarchy inheritance of multimedia

18. Write a java code to implement text to speech.

19. What do you mean by transactions? What are the different methods availble in transaction?

20. Write a java and xml code to list all records from a Sqlite table contact(mobno, name)

21. How do we retrieve the location address using the location services from android? Explain with an example

(6×5=30)

Part C

Answer any **two** *questions.*

Each question carries **15** *marks.*

22. Explain in detail about Android architecture and components with needed diagram

23. Explain the following a.Check Box b.Radio Button c.Radio Group d.Toggle Button e.Progress Bar

24. Explain in detail Service and Broadcast life cycle with a neat diagram.

25. Write short note on a. JSON name b.JSON values c. JSON Objects d. JSON Arrays

(2×15=30)