QP CODE: 22100896

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Reg No   :   ....

Name   :   ....

B.Sc / BCA DEGREE (CBCS) REGULAR / REAPPEARANCE EXAMINATIONS, APRIL 2022

Sixth Semester

CORE COURSE - CS6CRT15 - MOBILE APPLICATION DEVELOPMENT- ANDROID

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

2017 Admission Onwards

1E7AE264

Time: 3 Hours

Max. Marks : 80

Part A

*Answer any **ten** questions.*

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

1. What is the role of JDK in Android Application development ?

2. List the components of a .dex file.

3. List out Layout Managers in Android.

4. What is the use of Grid view?

5. List any four properties of DatePicker.

6. What do you mean by Activity Life cycle?

7. What are the network protocols supported in audio and video playback?

8. Which feature of SQLite signifies storage for Mobile Application Development?

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

10. Write the syntax of query() method.

11. Write the syntax of JSON.

12. How do we identify the current user location?

(10×2=20)

Part B

*Answer any **six** questions.*

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

13. Why Android is used in mobile application?

14. Briefly explain Android Application Framework and its basic components.

15. Why do we use Toast alert ? Explain with an 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 intent. Explain how intents are created?

18. What are the classes used to play Audio and Video in Android?

19. What is the need for BroadcastReceiver while scanning wi-fi ?

20. Write a java and xml code to delete the details of student from sqlite table student(regno, name, address) whose regno is given.

21. With the help of the java code, explain how maps can be added to the app?

(6×5=30)

Part C

*Answer any **two** questions.*

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

22. Write notes on a)Android Virtual Device (AVD) b) Android Emulators

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. Differentiate and compare between XML & JSON with example.

(2×15=30)