(FOR THE CANDIDATES ADMITTED

 DURING THE ACADEMIC YEAR 2022 ONLY)

22UBC621

REG.NO. :

N.G.M.COLLEGE (AUTONOMOUS) : POLLACHI
END-OF-SEMESTER EXAMINATIONS : MAY-2025

B.C.A   **MAXIMUM MARKS: 50**
SEMESTER VI   **TIME : 3 HOURS**

PART - III
MOBILE APPLICATION DEVELOPMENT
                                SECTION - A   **(10 X 1 = 10 MARKS)**
ANSWER THE FOLLOWING QUESTIONS.
MULTIPLE CHOICE QUESTIONS.   **K1**

1. Which of the following virtual machine is used by the Android operating system?

    a) JVM   b) Dalvik virtual machine   c) Simple virtual machine   d) None of the above

2. What is the parent class of all Activity widgets?

    a) ViewGroup   b) Layout   c) View   d) Widget

3. The component M in MVC is responsible for_____.
    a) User Interface   b) Security of the System   c) Business logic and domain objects

    d) Translating between user interface actions/ events and operation on the domain objects.

4. What is fragment life cycle in android?

    a) onReceive()   b) onCreate()   c) None of the above

    d) onAttach()->onCreate()->onCreateView()->onActivityCreated()->onStart()->onResume()

5. SQLite does not support _____

     a) Bypass procedures   b) Failed procedure   c) Transactional procedure   d) Stored procedures

ANSWER THE FOLLOWING IN ONE (OR) TWO SENTENCES.   **K2**
6. Expand APK.

7. What is an Interface in android?

8. Name the UI elements that you can use in a window in an Android application.

9. What is an activity in android?

10.   How many types of SQLite commands are there? What are they?

                        SECTION – B   **(5 X 3 = 15 MARKS)**
ANSWER EITHER (a) OR (b) IN EACH OF THE FOLLOWING QUESTIONS. K3

11. a)   List some components of android application.
                                (OR)
    b)   Describe any two tools placed in Android SDK.

12. a)   Write short notes on ProgressBar and SeekBar.
                                (OR)
    b)   Write in detail about Android TimePicker and DatePicker.

13. a) Define Relative Layout.

(OR)

b) Differentiate between Table Layout and Frame Layout.

14. a) What are the services in Android application?

(OR)

b) Write down the various stages of Android activity lifecycle.

15. a) Explain how the data has been stored in Android SQLite database.

(OR)

b) List some features of Android App store and explain.

SECTION - C   (5X 5 = 25 MARKS)
ANSWER EITHER (a) OR (b) IN EACH OF THE FOLLOWING QUESTIONS. (K4&K5)

16. a) Illustrate the architecture of Android with brief explanation.

(OR)

b) Write in detail about the core building blocks of Android.

17. a) Explain how the Android widgets help in designing the user interface.

(OR)

b) Give short notes on

i) Progress Bar   ii) Image Switcher iii) Image Slider iv) Alert Dialog

18. a) Explain the various components of user interface in Android.

(OR)

b) Examine the Android Layouts and its types in detail.

19. a) Discuss the activity lifecycle of Android.

(OR)

b) Write in detail about Android service and its lifecycle.

20. a) Write the concept of SQLite Transaction and its properties.

(OR)

b) Describe in detail Google Play store in Android device.

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ETHICAL PAPER