



QP CODE: 26801804



26801804

Reg No :

Name :

IMCA DEGREE EXAMINATION APRIL 2026

Sixth Semester

Faculty of Technology and Applied Sciences

INTEGRATED MCA

Elective II - IMCA6E02A - ANDROID PROGRAMMING

2020 Admission Onwards

374F20E5

Time: 3 Hours

Maximum: 75 Marks

Part A

*Answer any **ten** questions*

Each question carries 3 marks

1. Write a short note on the origin of Android.
2. Write a short note on the Android versions.
3. What are the key components of Android SDK ?
4. Describe the fundamental purpose of a Button component in an Android application's interface.
5. What is the main function or purpose of an ImageButton in Android UI?
6. What isToggleButton?
7. Discuss the two types of Intents in Android - explicit and implicit. How do they differ in their usage and purpose?
8. Write a short note on text to speech.
9. Explain the significance of camera permissions in Android apps for image capture functionalities.
10. List two best practices for ensuring an efficient and user-friendly image capture experience in Android apps.
11. Discuss table concepts and their structure within SQLite databases used in Android.
12. Write a short note on GPS app.

(10×3=30 marks)





Part B

Answer **all** questions

Each question carries **9** marks

13. a) Explain Android architecture in detail.

OR

- b) Explain how Dalvik virtual machine (DVM) created the first Android application.

14. a) Compare AbsoluteLayout, FrameLayout, and LinearLayout in Android's UI, highlighting their unique functionalities and suitability for different app interface designs, while discussing their strengths and limitations.

OR

- b) Explain the functionalities and applications of ProgressBar and AutoCompleteTextView in Android app development. Describe how ProgressBar visually indicates progress and the significance of AutoCompleteTextView in facilitating user input efficiency.

15. a) Explain the phases of the Android activity lifecycle and their importance in managing an app's behavior.

OR

- b) Discuss about Intent, Intent-filter and different types of Intent .

16. a) Discuss in detail about Paging and Swiping in Android.

OR

- b) Prepare one Capturing images app.

17. a) Discuss in detail about extracting value from a cursor and transactions in SQL lite database.

OR

- b) Explain in detail GPS app, Google Maps app.

(5×9=45 marks)

