

# School of Computing Science and Engineering

Department of Computer Application

Mid Term Examination

Exam Date: 29 Sep 2023

Time : 90 Minutes

Marks : 50

## Sem V - E1UJ505C - Android Application Developmet

*Your answer should be specific to the question asked*

*Draw neat labeled diagrams wherever necessary*

- 1) Is Android an open-source operating system? Support your answer with justification K2 (2)
- 2) Analyze the role of the Open Handset Alliance in shaping the Android ecosystem. K1 (3)
- 3) Explain the concept of "Activity life cycle" in Android application development. K2 (4)
- 4) Analyze the benefits and drawbacks of using different screen layouts in Android. K2 (6)
- 5) Compare and contrast explicit and implicit intents in Android. K3 (6)
- 6) Evaluate the importance of the "Activity life cycle" in ensuring a smooth user experience in Android apps. K3 (9)
- 7) Analyze the benefits of using different types of layouts (e.g., LinearLayout, RelativeLayout) in Android. K4 (8)
- 8) Evaluate the challenges developers face when designing Android apps for multiple screen sizes and resolutions. K4 (12)

**OR**

Propose strategies for optimizing the performance of a memory-intensive Android application. K4 (12)