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**School of Computing Science and Engineering**

Bachelor of Technology in Computer Science and Engineering

Mid Term Examination - May 2024

Duration : 90 Minutes

Max Marks : 50

**Sem VI - R1UC608C - Mobile Application Development**General Instructions*Answer to the specific question asked**Draw neat, labelled diagrams wherever necessary**Approved data hand books are allowed subject to verification by the Invigilator*

- 1) Explain the purpose of Cursors in Android SQLite database operations. K2 (2)
- 2) List the main functions and features that Android's SDK provides to programmers. K1 (3)
- 3) Illustrate the significance of google play store in the Android ecosystem K2 (4)
- 4) Describe the significance of sensor accuracy and precision in Android sensor data. K2 (6)
- 5) Analyze the importance of database versioning and schema migration in SQLite databases for Android applications. K3 (6)
- 6) Construct a timeline illustrating the release dates and key features of major Android versions from Cupcake to the present. K3 (9)
- 7) Synthesize the advantages and disadvantages of Android's open-source nature in terms of fostering innovation and maintaining platform consistency. K4 (8)
- 8) Investigate emerging sensor technologies and their potential applications in future Android devices and applications. K4 (12)

**OR**

Analyse the benefits of utilising various layouts (such as LinearLayout and RelativeLayout) while creating user interfaces for Android apps. K4 (12)