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School of Computing Science and Engineering

Bachelor of Science in Computer Science
Semester End Examination - Nov 2023

Duration : 180 Minutes
Max Marks : 100

Sem V - E1UJ505C - Android Application Developmet

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) Describe the role of Broadcast Receivers in the Android system. K1 (2)
- 2) Describe the different types of intents in Android and provide examples for each. K2 (4)
- 3) Compare and contrast GPS and network-based location services in Android. K2 (6)
- 4) Discuss the impact of using different measurement units (px, dp, sp, dpi, pt) on Android UI design. K3 (9)
- 5) Propose various application promotion strategies for an Android app targeting a fitness-conscious audience. K3 (9)
- 6) Explain the role of "RecyclerView" in efficiently displaying lists of data in Android apps K5 (10)
- 7) Design an Android app that supports both portrait and landscape orientations seamlessly. K4 (12)
- 8) Evaluate the impact of incorporating accessibility features in Android app design. K5 (15)
- 9) Discuss the considerations and challenges when designing an Android app for multiple screen sizes and resolutions. K5 (15)
- 10) Design a mockup for an Android app that assists users in tracking their water intake throughout the day. Include the main interface and key features. K6 (18)