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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 - R1UC605C - Cloud based IoT Systems

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) Define NFC and RFID in IoT context, highlighting differences. K2 (2)
- 2) Identify three characteristics of cloud computing services. K1 (3)
- 3) Compare and contrast public, private, and hybrid cloud deployment models. K2 (4)
- 4) Discuss how edge computing enhances latency-sensitive IoT applications, providing examples. K2 (6)
- 5) Develop a conceptual architecture for an edge computing system with any application example K3 (6)
- 6) Describe IoT Complete Architectural Stack K3 (9)
- 7) Summarize about Sensors working with any two deployment scenario. K4 (8)
- 8) Evaluate the impact of edge computing on IoT applications, Provide examples to support your analysis. K4 (12)

**OR**

Design a comprehensive deployment strategy for a hybrid cloud environment with an example K4 (12)