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## School of Computing Science and Engineering

Bachelor of Technology in Computer Science and Engineering

Mid Term Examination - Nov 2023

Duration : 90 Minutes

Max Marks : 50

### Sem V - E2UF501B - Cloud Deployment Model

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) A company's web application is experiencing slow response times. Outline the steps you would take as cloud engineer to troubleshoot this issue? K3 (6)
- 2) Assume you have a video transcoding application. A queue processes these videos. When video processing gets interrupted in one instance, it resumes in another. Currently, there is a massive backlog of videos to be processed. More instances are required for this, but only until your backlog reduces. Organize an efficient resolution for the given scenario. K3 (9)
- 3) Explain the differences between public, private, and hybrid cloud deployment models. K4 (8)
- 4) Organize the considerations that organizations should take into account when deciding to adopt cloud computing, with a focused discussion on factors like data privacy and compliance requirements. Assess the impact of these considerations on the overall decision-making process. K5 (15)
- 5) Rephrase the critical factors that organizations should consider when making decisions about cloud adoption, weighing their significance and potential impact on overall business operations. K6 (12)