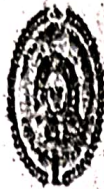




SASTRA

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TRIPUNITHUR, TAMIL NADU



School of Computing
First CIA Exam - Aug 2024
Course Code: CSE407R01
Course Name: CLOUD COMPUTING
Duration: 90 minutes Max Marks: 50

PART A

(4*5 = 20)

Answer all the questions

1. Generate a concise list of the technical characteristics of cloud computing.
2. How would you use Globus to transfer and share data securely in cloud?
3. You are deploying a scalable web application on a cloud server and need to choose between Virtual Machines (VMs) and Containers. Compare these two technologies in terms of architecture, resource allocation, isolation, and typical use cases. Based on this comparison, which technology would you recommend for your deployment and why?
4. Design a detailed step-by-step guide on how you would attach and configure this extra storage to your VM. Consider the types of storage available, the necessary configurations, and best practices to ensure data integrity and performance.

PART B

(3*10 = 30)

Answer all the questions

5. Explain in detail the cloud storage models and Compare the storage levels with Public cloud service providers.
6. Create a own container with necessary steps and justify the need of the containers and explain the basics of the containers.
7. How can an organization determine the most suitable cloud deployment model for deploying their specific application, considering factors like performance requirements, data security, and scalability?