

QP CODE 2090551504

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DMI-ST. EUGENE UNIVERSITY

ZAMBIA

DEGREE EXAMINATION – JUNE 2024

Semester: IX

055 EE 115 CLOUD COMPUTING SERVICES

Time: 3:00 Hours

Max. Marks: 100

Answer any FIVE Questions (5 x 20 = 100 Marks)

1. a) Describe in details the various cloud computing platforms. (10 Marks)
b) Elaborate Web services in cloud computing services in detail. (10 Marks)
2. a) Elaborate NIST definition in cloud computing. (10 Marks)
b) Describe in detail about cloud computing reference architecture. (10 Marks)
3. a) Explicate with neat diagram cloud usage monitor. (10 Marks)
b) Describe in detail about the ready –made environment. (10 Marks)
4. a) Describe in detail about dynamic scalability architecture with its types. (10 Marks)
b) Elaborate Load Balanced Virtual Server Instances Architecture with its various mechanisms. (10 Marks)
5. a) Discuss in detail about building IaaS environments with its primary benefits related to the cloud provider perspective. (10 Marks)
b) Illustrate the equipping PaaS environment in detail. (10 Marks)
6. a) Describe in detail about AJAX in cloud computing services. (10 Marks)
b) Explain data-intensive computing with a focus on Map-Reduce programming in cloud computing services. (10 Marks)
7. a) Outline the various use cases for cloud computing. (10 Marks)
b) Discuss in detail cloud security threats. (10 Marks)