

012200300002024

provid
mak
SLA5 cons
SLA2 C C/loop
C/loop

National Forensic Sciences University
School of Cyber Security and Digital Forensics

Course Name: M.Sc. Cyber Security

Semester - III Exam: MSE (Oct-Nov - 2023)

Time: 03.30 PM to 05.00 PM

Subject Code: CTMSCS III P3

Subject Name: Cloud Security & Forensics

Date: 01-11-2023

Q1. Answer the following questions (Attempt any FOUR) [36 Marks]

- 1) What is Hardening? How to achieve Hardening of Virtualization?
- 2) Discuss different components of Docker Environment.
- 3) In the following scenario, a cloud provider participates in and arranges for TWO unique Service Level Agreements (SLAs), one with a cloud carrier (SLA2) and one with a cloud consumer (SLA1). What can be the requirements of SLA1 and SLA2 respectively? What type of SLA1 and SLA2 would be? Discuss key components of SLA1 and SLA2 individually.



Considering Google Cloud Services as a Case study discuss Cloud Logging Service Architecture in detail with the help of diagram.

- 5) Which are the FOUR core components of cloud computing environment on which cloud security depends? Cloud Introduces Several Security Issues Including Multi-Tenancy, Lack Of Control, And Lack Of Trust. Please explain the above three security issues and discuss possible solutions
- 6) Compare the working of IaaS and PaaS based on following parameters: Services, Provider, Users, Limitation, Security, billing

Q2. Answer the following questions

[10 Marks]

Plaintext (P) is encrypted using Ciphers as shown below, which give resultant Cipher Text C. If C = 'ZGZSSVTZPSNWLQZ' then find plaintext P.



Q-3 Bring out the differences between following

[4 Marks]

I Amazon S3 and Amazon EBS

II Amazon RDS, Amazon Redshift, and DynamoDB