

Bansilal Ramnath Agarwal Charitable Trust's
Vishwakarma Institute of Information Technology
Department of Computer Engineering

Academic Year – Sem I (2015-16)

Class : ME (Computer Engineering)

610103B : Elective – III (Cloud Computing)

Marks : 50

Time : 3 Hrs.

Date :

Instructions for the students

1. Any **THREE** questions have to be attempted from **Q1 to Q6**
 2. **Q7 and Q8** are compulsory
 3. Each question carry **10 marks**
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Q1.

- a. Write a SN on Trusted virtual machine monitor [4 Mks]
- b. Write a short note on Models for Controlling Access [4 Mks]
- c. What is the meaning of CIA abbreviation. [2 Mks]

Q2.

- a. Write a short note on CIA triad. [4 Mks]
- b. Explain Computer Security Incident Response Team. [4 Mks]
- c. Explain Information Privacy and Privacy Laws [2 Mks]

Q3.

- a. Explain Health Insurance Portability and Accountability Act (HIPAA) [5 Mks]
- b. Explain Federal Information Security Management Act (FISMA) [5Mks]

Q4.

- a. Explain Threats to Infrastructure, Data, and Access Control [5 Mks]
- b. Explain Common Threats and Vulnerabilities to Cloud Computing [5 Mks]

Q5.

- a. Explain Security policy hierarchy in detail. [4 Mks]
- b. Explain Virtualization Security Management [4 Mks]
- c. Explain VM Threat Levels [2 Mks]

Q6.

- a. Explain variety of factors that affect the implementation and performance of cloud security architecture [4 Mks]
- b. Write a short note on Security Awareness, Training, and Education [3 Mks]
- c. Explain Models for Controlling Access [3 Mks]

Q7.

- a. Explain Secure Execution Environments and Communications [5 Mks]
- b. Write a short note on Microarchitectures. [3 Mks]
- c. What is Single Sign-On (SSO) [2 Mks]

Q8.

- a. Write a short note on Identity Management and Access Control [5 Mks]
- b. What is Autonomic computing? Explain Autonomic Security [5 Mks]

***** All The Best *****