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Roll No

MTCF-301(B)
M.E/M.Tech., III Semester
Examination, June 2016
Secure Cloud Computing

Time : Three Hours

Maximum Marks : 70

- Note:** i) Attempt any five questions.
ii) Each question carry equal marks.

1. a) Explain the keys steps in implementing Cloud Computing based applications. 7
b) How the data can be secure during transmission in cloud? Explain with an example. 7
2. a) Explain the identity management and access control in secure cloud computing environment. 7
b) What are the characteristics of cloud architecture that separates it from traditional one? Explain. 7
3. a) What is secure execution environment and communication in cloud? Explain different threats and vulnerabilities specific to virtual machines. 7
b) Explain the different business risk associated with cloud computing. How business will be continued in the presence of these risk? Explain. 7

4. a) Describe the top threats identified by Cloud Security Alliance (CSA) of cloud computing. 7
b) What is trusted cloud computing? What are its characteristics? 7
5. a) Discuss various challenges of storage virtualization. 7
b) Explain cloud audit and internal policy compliance. 7
6. a) Discuss cloud computing security architecture in brief. 7
b) List few major challenges in securing Cloud Computing. 7
7. a) Explain in brief SSL/TLS. 7
b) How Cloud Computing provides scalability and fault tolerance? http://www.rgpvonline.com 7
8. Write short note on the following : (Any four) 14
 - a) Vulnerabilities to infrastructure
 - b) SLA
 - c) Privacy in Cloud
 - d) Secure cloud software requirements
 - e) Cloud Data Center
