

Seat No.: \_\_\_\_\_

Enrolment No. \_\_\_\_\_

# GUJARAT TECHNOLOGICAL UNIVERSITY

M.E. SEMESTER III-EXAMINATION – WINTER 2015

Subject code: 2735603

Date: 04/12/2015

Subject Name: Cloud Security

Time: 2:30 PM to 5:00 PM

Total Marks: 70

## Instructions:

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

- Q.1** (a) What is cloud computing? Explain attributes of cloud computing. **07**  
(b) What is availability management? Explain the factors impacting on availability in cloud. **07**
- Q.2** (a) Define PAAS. Explain customer responsibility and health monitoring related to PAAS. **07**  
(b) Explain Cloud deployment models. **07**
- OR**
- (b) What are the barriers to be considered in cloud computing adoption in enterprise? **07**
- Q.3** (a) Explain Network level mitigation **07**  
(b) Explain application level security threats in Infrastructure security. **07**
- OR**
- Q.3** (a) List out the aspects of data security. Explain storage, confidentiality and integrity related to data and its security. **07**  
(b) Draw SPI framework for cloud computing and explain virtualization technologies in cloud. **07**
- Q.4** (a) What is IAM? Explain IAM challenges and IAM definitions. **07**  
(b) What is cloud security? Explain cloud security objectives and services. **07**
- OR**
- Q.4** (a) Which are the IAM standards? Explain SAML. **07**  
(b) What is IAAS? Explain the features of IAAS. **07**
- Q.5** (a) Explain access control in cloud. **07**  
(b) Explain security and compliance challenges in cloud. **07**
- OR**
- Q.5** (a) What is the purpose of Workday? Explain services and modules of workday. **07**  
(b) What is security patch and security vulnerability management? **07**

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