

## FINAL EXAMINATION

SPRING 2019

### Cloud Management Final Exam

Answer FOUR questions out of the NINE questions

1. a. Describe what you understand by cloud computing.  
b. Identify and list the top ten obstacles and opportunities for adoption and growth of cloud computing. Explain 4 of them in details
  
2. a. Identify and list the different models of cloud computing management? Explain each of the models.  
b. What are the essential characteristics of cloud computing? Explain
  
3. a. What are the main features of cloud services? Explain each in detail  
b. What is the difference between Hybrid and Community cloud?
  
4. Explain the different types of Cloud deployment models you know. Explain in detail with example.  
b.. Can users integrate cloud models? How and why?
  
5. Describe logical and physical boundaries within cloud environments, including the organizational boundary (in relation to cloud consumers and cloud providers) and the trust boundary (as it pertains to cloud consumers and cloud providers).  
b. Explain also the relationship between organizational boundaries and trust boundaries.
  
6. What is the requirement of a virtualization platform in implementing cloud?  
Explain  
b. Identify some open source cloud computing platform databases
  
7. Before going for cloud computing platform, what are the essential things to be taken in concern by users? Explain  
b. Identify at least four names of some large cloud providers and databases

8. In Cloud architecture, what are the different phases involved? Explain each
  - b. In cloud architecture, what are the building blocks? Explain each
  
9. The NIST definition of Cloud computing includes the statement 'minimal management effort or service provider interaction.' Discuss the importance of this statement in the Cloud definition.
  - b. Describe the multitenancy characteristic in relation to IT resources allocation. what is their effectiveness?