

Enrollment No: _____ Exam Seat No: _____

C.U.SHAH UNIVERSITY

Summer Examination – 2017

Subject Name : Cloud Computing

Subject Code : 4CS06ICC1

Branch: B. Sc. IT.

Semester : 6

Date : 19/04/2017

Time : 02:30 To 05:30

Marks : 70

Instructions:

- (1) Use of Programmable calculator & any other electronic instrument is prohibited.
- (2) Instructions written on main answer book are strictly to be obeyed.
- (3) Draw neat diagrams and figures (if necessary) at right places.
- (4) Assume suitable data if needed.

Q-1 Attempt the following questions: (14)

- a) What is autonomic computing?
- b) Give full form of EBS.
- c) What is service oriented architecture?
- d) Give definition of cloud computing.
- e) List out cloud deployment models.
- f) What is SLA?
- g) How does cloud computing provide on demand functionality?
- h) What is datacenter?
- i) Give full form of NIST.
- j) What resources are provided by infrastructure as a service?
- k) What is utility computing?
- l) What is DMTF?
- m) Which type of cloud service provides Google Docs?
- n) What is stands for Amazon EC2?

Attempt any four questions from Q – 2 to Q – 8

Q-2 Attempt all questions:

- (1) Explain about IaaS, PaaS and SaaS of cloud services. (5)
- (2) Explain about cloud deployment models. (5)
- (3) Write a short note: connecting to the clouds. (4)



- Q-3** **Attempt all questions:**
- (1) Explain on advantages and disadvantages of cloud computing. (5)
 - (2) Describe on exploring the cloud computing stack. (5)
 - (3) Explain about desired features of a cloud computing. (4)
- Q-4** **Attempt all questions:**
- (1) Explain about challenges and risks of cloud computing. (5)
 - (2) Describe on infrastructure as a service providers. (5)
 - (3) Write a short note on: cloud ecosystem. (4)
- Q-5** **Attempt all questions:**
- (1) Explain about five essential characteristics of cloud computing. (5)
 - (2) What is virtual infrastructure manager? Which services are provided by it? (5)
 - (3) Write a short note on: Load balancing and Virtualization. (4)
- Q-6** **Attempt all questions:**
- (1) Explain about virtual machines provisioning and manageability. (5)
 - (2) Describe on layered cloud architecture development. (5)
 - (3) Write a short note on architectural design of cloud storage. (4)
- Q-7** **Attempt all questions:**
- (1) Explain about identity management and access control for cloud security. (5)
 - (2) What is disaster recovery in clouds? Explain disaster recovery planning. (5)
 - (3) Explain about secure execution environments and communications. (4)
- Q-8** **Attempt all questions:**
- (1) Explain about software as a service security. (5)
 - (2) Describe about cloud security challenges and risks. (5)
 - (3) Write a short note: autonomic security. (4)

