

Enrollment No: \_\_\_\_\_

Exam Seat No: \_\_\_\_\_

# C.U.SHAH UNIVERSITY

## Summer Examination – 2018

Subject Name : Cloud Computing

Subject Code : 4CS06BCC1/4CS06ICC1

Branch: B.C.A./ B.Sc.I.T.

Semester : 6

Date: 02/05/2018

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) Define term: Cloud computing.
- b) What is Hypervisor?
- c) Define term: Service Level Agreement (SLA).
- d) What is elastic compute cloud?
- e) What is the full of NIST?
- f) What is virtualization?
- g) List out different models for deployment in cloud computing.
- h) Give full form of CSP.
- i) Define term: Identity as a Service.
- j) What is autonomic computing?
- k) \_\_\_\_\_ describes a cloud service that can only be accessed by a limited amount of people.  
(A) Data center      (B) Private cloud      (C) Virtualization      (D) Public cloud
- l) \_\_\_\_\_ describes a distribution model in which applications are hosted by a service provider and made available to users.  
(A) Infrastructure-as-a-Service      (B) Platform-as-a-Service  
(C) Software-as-a-Service      (D) Cloud service
- m) \_\_\_\_\_ is the feature of cloud computing that allows the service to change in size or volume in order to meet a user's needs.  
(A) Scalability      (B) Virtualization      (C) Security      (D) Cost-savings
- n) \_\_\_\_\_ is a cloud computing service model in which hardware is virtualized in the cloud.  
(A) IaaS      (B) CaaS      (C) PaaS      (D) SaaS

**Attempt any four questions from Q-2 to Q-8**

**Q-2**

**Attempt all questions:**

- (1) Explain about Infrastructure as a Service. **(5)**
- (2) Give difference between Public Cloud and Private Cloud. **(5)**



- (3) Write a note on Compliance as a Service. (4)
- Q-3 Attempt all questions:**
- (1) Explain about cloud infrastructure management. (5)  
(2) Explain about challenges and risks of cloud computing. (5)  
(3) Describe on cloud computing stack. (4)
- Q-4 Attempt all questions:**
- (1) Explain about roots of Cloud Computing. (5)  
(2) Explain about Platform as a Service. (5)  
(3) Describe about desired features of a cloud computing. (4)
- Q-5 Attempt all questions:**
- (1) Explain about Software as a Service. (5)  
(2) Describe inter cloud resource management. (5)  
(3) Write a note on layered cloud architecture development. (4)
- Q-6 Attempt all questions:**
- (1) Describe architectural design of compute and storage clouds. (5)  
(2) Explain virtual machine migration services. (5)  
(3) Describe on disaster recovery in clouds. (4)
- Q-7 Attempt all questions:**
- (1) Why security in cloud is more challenging? Write about data security in cloud. (5)  
(2) Describe identity management and access control. (5)  
(3) Write a note on emerging cloud management standards. (4)
- Q-8 Attempt all questions:**
- (1) Explain on advantages and disadvantages of Cloud Computing. (7)  
(2) Describe on cloud deployment models. (7)

