Enrollment No._____   Exam Seat No._____

C. U. SHAH UNIVERSITY
Summer Examination 2017

Subject Name: **Cloud Computing**

Subject Code: **5CS03WCC1**   Branch: **M. Sc. I.T. (WebTech)**

Semester: **3**   Date: 31/03/2017   Time: 10:30 To 01:30   Marks: **70**

Instructions:
   (1) Use of Programmable calculator and 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.

SECTION-I

Q. 1   **Answer the following.**
   a) Describe Cloud Storage.   **01**
   b) Why Type-1 Hypervisors better in performance than Type-2 Hypervisors?   **01**
   c) Write the full form of SSO.   **01**
   d) What is Trusted Computing?   **01**
   e) Write full form of GWT.   **01**
   f) What is the platform as a service?   **01**
   g) What do you mean by Public Cloud?   **01**

Q. 2   **Attempt all questions.**
   a) What is secure execution environment and communication in cloud? Discuss the security aspects provided with Cloud Computing.   **07**
   b) What is hypervisors and system virtualization? Explain how does it work in a Cloud Environment?   **07**

OR

Q. 2   **Attempt all questions.**
   a) Define Cloud computing, Enlist and explain essential characteristics of cloud computing.   **07**
   b) Explain the resources which are provided by infrastructure as a service.   **07**

Q. 3   **Attempt all questions.**
   a) What do you understand by IaaS? What is the minimal requirement to implement an IaaS Cloud?   **07**
   b) Write note on components used in Amazon and uses of Amazon web services.   **07**

OR

Q. 3   **Attempt all questions.**
   a) Differentiate between traditional datacenters and cloud. What are the cost factors are involved in Cloud Data Center?   **07**
   b) Write note on functions of Amazon Elastic Compute Cloud.   **07**

SECTION-II

Q. 4   **Answer the following.**
- **a)** List any one role available in Windows Azure. **01**
- **b)** Define Hybrid Cloud. **01**
- **c)** Describe Automatic Self-Headling Computing. **01**
- **d)** What do you mean by CaaS? **01**
- **e)** In which category of SaaS services does CRM software falls? **01**
- **f)** An organization interested to implement Cloud Computing with basic services and on-demand storage. What type of Cloud Computing model should be prefer? **01**
- **g)** List two options of Cloud Computing architectural layers. **01**

Q. 5   **Attempt all questions.**
- **a)** Write note on Cloud Computing reference model. **07**
- **b)** Discuss the Google calendar as cloud service in depth. **07**

OR

Q. 5   **Attempt all questions.**
- **a)** What is Windows Azure and explain its services? **07**
- **b)** Explain a user view of Google App Engine with suitable block schematic. **07**

Q. 6   **Attempt all questions.**
- **a)** Differentiate between a public cloud and a private cloud. **07**
- **b)** Write note Cloud Security Challenges and Risks. **07**

OR

Q. 6   **Attempt all questions.**
- **a)** Write note on security laws which take care of the data in the cloud. **07**
- **b)** List Various Cloud Applications for Software Application As Service Model (SaaS) Model and Give it's features how it is different from Traditional Client/Server Software and Desktop **07**