

Roll No

CS-8002 (CBGS)

B.E. VIII Semester

Examination, May 2019

Choice Based Grading System (CBGS)

Cloud Computing

Time : Three Hours

Maximum Marks : 70

- Note:** i) Attempt any five questions.
ii) All questions carry equal marks.

1. a) What is cloud computing? Explain the two important features of cloud computing.
b) What are the different types of deployment models? Explain each in brief.
2. a) Compare SaaS, PaaS and IaaS with respect to following factors.
 - i) Consumers
 - ii) Services Offered
 - iii) Service Coverageb) Define Virtualization? Why Virtualization is important in cloud computing?
3. a) What are the different techniques used for implementation of hardware Virtualization? Explain them in detail.
b) What is load balancing? What are the advantages of load balancing?

4. a) Take a suitable example and explain the concept of map reduce.
b) What do you mean by virtual LAN and virtual SAN? Write their benefits.
5. a) What are the different security challenges in cloud computing? Discuss each in brief.
b) Explain the terms
 - i) Confidentiality
 - ii) Integrity
 - iii) Availability
 - iv) Authentication
6. a) What is Honeypot? What are the different types of Honeypot? <http://www.rgpvonline.com>
b) Explain security reference architecture of cloud with neat diagram.
7. a) Give a suitable definition of cloud federation stack and explain it in detail.
b) What do you mean by third party cloud services? Give suitable examples.
8. Write short notes on any two of the followings:
 - a) HADOOP
 - b) Microsoft Azure
 - c) Aneka
 - d) Cloud Analytics
