

Total No. of Questions : 8]

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Roll No .....

**CS/IT-703 (GS)**

**B.E. VII Semester**

Examination, December 2017

**Grading System (GS)**

**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? Discuss the characteristics of cloud computing as per NIST? 7
- b) Brief the applications of cloud computing in the field of social networking and satellite image processing. 7
2. a) Illustrate the cloud adoption discussing its several policies. 7
- b) Discuss the advantages and disadvantages of cloud computing. Also write down the limitation of cloud computing. 7
3. a) Explain briefly the cloud infrastructure self-service. 7
- b) What are the two main sections of cloud computing architecture? Explain. 7
4. a) Give a brief introduction regarding different categories of scalability. 7
- b) What do you mean by virtual desktop infrastructure? Write down its advantages and disadvantages. 7

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5. a) How are virtualization and cloud computing interrelated? Explain virtualization in cluster. 7
  - b) What is the need of storage virtualization? Discuss the three ways in which it is structured. 7
  6. a) What is a Hypervisor? Mention the types of hypervisor. Why are type 1 hypervisor better in performance than type 2 hypervisors? 7
  - b) Describe various cloud storage providers. Also write down merits and demerits of cloud storage. 7
  7. a) What are cloud security challenges? How is security provided to data at various stages in context of cloud? 7
  - b) Write short notes 7
    - i) Cloud computing security architecture
    - ii) Virtualization security management
  8. a) Explain Aneka integration of private and public cloud in detail. 7
  - b) Discuss the third party cloud services in detail. 7
- Or
- ii) Write a short note on "Hadoop".

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