Marks- 80

Duration – 3hrs

N.B. (1) Question no. 1 is compulsory.
(2) Attempt any three from remaining five questions.
(3) Assume suitable data, if necessary.

Q1. a. Compare Public and Community Cloud. **05**
b. Explain SPI model of cloud computing. **05**
c. What are the differences between ASP and SaaS? **05**
d. Write key challenges in design and development of cloud applications. **05**

Q 2. a. Explain GFS Architecture and benefits. **10**
b. Explain the following w.r.t Eucalyptus **10**
i) Features
ii) Architecture
iii) Elastic IP
iv) Security Groups

Q3. a. Explain Architecture of any bare metal hypervisor in detail **10**
b. Explain Gartner's data Security challenges along with mitigation techniques. **10**

Q4. a. Explain different cloud computing risks and benefits of Virtualization. **10**
b. Explain public cloud adoption phases for SMBs and responsibilities of cloud
Vendor towards SMBs. **10**

Q5. a. Discuss the fundamental requirements for cloud application architecture. **10**
b. Explain the Architecture of mobile cloud computing and Issue with
Security as a Service. **10**

Q6. Write a note on **20**
1. AAA model
2. Cloud Service Brokerage
3. Amazon EC2
4. Google Big table

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