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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