

**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

\*\*\*\*\*