

( 3 Hours)

[ Total Marks : 80

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

1. (a) What is cloud? Explain its features, service and deployment models. 10  
 (b) What is virtualization? What are benefits and mechanisms used for virtualization? 10
2. (a) What are the features of Amazon SimpleDB? 10  
 (b) Explain Big Table as Google's NoSQL system in detail: 10
3. (a) Explain conceptual Architecture of Open Stack and its modes of operation. 10  
 (b) What is CSB? Explain its role with example. 10
4. (a) What are public cloud adoption phases for SMBs? What are cloud vendor roles and responsibilities towards SMBs? 10  
 (b) Explain AAA model in detail along with its industry implementation? 10
5. (a) What are the risks associated with cloud computing? 10  
 (b) What are the fundamental requirements for cloud application architecture? 10
6. Write a note on 10
  1. Factors for successful cloud deployment
  2. Cloud Service Gateway
  3. Google App Engine
  4. SaaS maturity model