

(Time: 3 Hours)

[Total marks: 80]

N.B.

- 1) Question No. 1 is Compulsory. Attempt any 3 From remaining 5 Questions.
- 2) Figure to right indicate full marks.
- 3) Assume suitable data if necessary

- Q.1 a) Explain Kernel based virtualization with the help of its architecture. [10]  
 b) What is Instance? Draw and explain life cycle of Instances. [10]
- Q. 2 a) Explain Disaster recovery as a service. [10]  
 b) Draw and Explain Openstack architecture. [10]
- Q.3 a) List & explain the advantage and disadvantages of cloud computing. [10]  
 b) Explain Bigtable in GFS. [10]
- Q. 4 a) Explain Xen Virtualization with the help of its architecture. [10]  
 b) Explain subnet, route table and Elastic IP address with Example? [10]
- Q.5 a) Draw and explain NIST & Cube model of cloud computing. [10]  
 b) Explain Simple Storage as Service and its feature. [10]
- Q. 6 **Solve Any Four** [20]  
 a) Google APIs.  
 b) Explain Bucket in S3  
 c) CDMI  
 d) Analytics as a service  
 e) Type of hypervisors

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