

(3 Hours)

[Total Marks: 80]

- N.B. (1) Question No. 1 is compulsory**
(2) Attempt any three questions out of the remaining five questions
(3) Figures to the right indicate full marks
(4) Assume suitable data whenever required

- Q1** a) Define the components of NIST Model. **5M**
 b) Explain Storage as a service. **5M**
 c) What is the significance of cloud computing with respect to on premise infrastructure? Justify with example **5M**
 d) What is DynamoDB? State the features of DynamoDB **5M**
- Q2** a) What is Cloud Computing? explain various cloud service models and differentiate between them. **10M**
 b) Explain the various instances in EC2? Discuss AWS EC2 instance life cycle. **10M**
- Q3** a) What are various components in cloud computing architecture. **10M**
 b) What is the job of Xen Hypervisor? How is it helpful for large scale industries. Explain Architecture of Xen Hypervisor in detail. **10M**
- Q4** a) Explain Mobile Cloud Computing Architecture with its benefits and challenges. **10M**
 b) Explain AWS S3 Storage and Glacier Storage with comparison between them. **10M**
- Q5** a) Differentiate Hosted virtualization with Bare Metal. Also explain various mechanism of virtualization with architecture. **10M**
 b) Explain various components and architecture of Openstack. **10M**
- Q6** Write a short note on (Any Four) **20M**
 a) Cloud Cube Model
 b) AWS Core Services
 c) Anything as a Service
 d) Cloud Watch Matric
 e) AWS Lambda
