

BESEM VIII (choice based) Summer 2022
Duration: 3 hours

[Max Marks:80]

N. B.: (1) Question No1 is compulsory.

INFT 1615125

(2) Attempt any three questions out of the remaining five.

(3) All questions carry equal marks.

(4) Assume suitable data, if required, and state it clearly.

Q.1 Answer any four questions. Each question carries five marks. [20M]

- A. Explain Analytics as a Service with example.
- B. Differentiate between Iaas, PaaS and SaaS.
- C. What is DynamoDB. Describe concept of Partition key.
- D. Describe characteristics of virtualized environment.
- E. Explain different types of security in cloud.

Q.2 Answer the following.

- A Differentiate between Type-2 and Type-1 Hypervisor. Also Explain Implementation Levels of Virtualization in detail. [10M]
- B Explain Privacy Concerns in the Cloud with Legal and Regulatory Implications. [10M]

Q.3 Answer the following.

- A Explain the various instances in EC2? Discuss AWS EC2 instance life cycle [10M]
- B Explain architecture of Xen hypervisor in detail. Differentiate between Xen and KVM architecture. [10M]

Q.4 Answer the following.

- A Describe the benefits and challenges of Mobile Cloud Computing. [10M]
- B Explain concept of S3 along with its bucket properties. Differentiate between Object Storage and Block Storage [10M]

Q.5 Answer the following.

- A Describe openstack Architecture with its components in detail? [10M]
- B Explain the Role of Elastic Network Interfaces and security groups in Virtual Private cloud. [10M]

Q.6 Write a short note on(Any 4) [20M]

- A Cloud Deployment models
- B CloudWatch
- C AWS Lambda
- D IAM Challenges
- E Disaster Recovery as a Service
