

UNIT V: CLOUD SECURITY & ADVANCED CONCEPTS

Short Questions

S.No	Questions	BT	CO	PO
1	What is the "Shared Responsibility Security Model" in cloud computing?	L1	CO5	PO1
2	Name two major security threats unique to public multi-tenant cloud storage.	L2	CO5	PO2
3	What is Amazon EC2 and what is its primary utility?	L1	CO5	PO1
4	Briefly explain the purpose of the Google App Engine platform.	L1	CO5	PO1
5	What is Microsoft Windows Azure ecosystem?	L1	CO5	PO1
6	Define the purpose and function of Amazon Simple Storage Service (S3).	L1	CO5	PO1
7	What is the purpose of the Captiva Cloud Toolkit within enterprise frameworks?	L1	CO5	PO1
8	State the use case of Amazon Simple Queue Service (SQS).	L2	CO5	PO1
9	Define IBM Smart Cloud model.	L1	CO5	PO1
10	What are the unique platform features provided by Aneka or Manjrasoft?	L1	CO5	PO1

Long Questions

S.No	Questions	BT	CO	PO
11	a) Discuss Cloud Security in detail. Address the critical issues of data leakage, access control, identity management, and credential sniffing.	L2	CO5	PO1
	b) Explain the mechanism of data encryption at-rest and in-transit within a secure public cloud deployment.	L2	CO5	PO1
12	a) Discuss Amazon Web Services (AWS) infrastructure. Detail the compute, storage, and networking engines that power it.	L2	CO5	PO1
	b) Write detailed architectural reviews on Amazon EC2 instances and Amazon S3 buckets, explaining their operational differences.	L2	CO5	PO1
13	a) Describe the Google Cloud Platform (GCP) developer ecosystem. Explain how Google App Engine acts as an elite PaaS provider.	L2	CO5	PO1
	b) Explain the operational use cases and working layout of Google Cloud Storage and Google Cloud Print frameworks.	L2	CO5	PO1
14	a) Elaborate on Microsoft Windows Azure architecture. Describe its compute runtimes, fabric controllers, and relational cloud data options.	L2	CO5	PO1
	b) Describe how IBM Cloud Models and IBM Smart Cloud facilitate enterprise-tier application hosting and private cloud provisioning.	L2	CO5	PO1
15	a) Write in detail about Sales Cloud and Salesforce application execution frameworks.	L2	CO5	PO1
	b) Explain the Aneka platform and Manjrasoft architecture. Analyze how it enables developers to build custom runtime environments over multi-clouds.	L4	CO5	PO3