



Department of Cyber Security

UNIT WISE QUESTION BANK

UNIT-I				
S.No	Questions	BT	CO	PO
Part –A(Short Answer Questions)				
1	What are the different computing paradigms?	L1	CO1	PO1
2	What is High Performance Computing?	L1	CO1	PO1
3	State the differences between distributed and parallel computing?	L1	CO1	PO1
4	What are the advantages of using Cluster computing ?	L1	CO1	PO1
5	What are the types and applications of Grid Computing?	L1	CO1	PO1
6	What are the 5 Essential Characteristics of cloud computing?	L1	CO1	PO1
7	State the different Deployment Models in cloud computing?	L1	CO1	PO1
8	How Bio computing Works?	L3	CO1	PO1
9	What are the limitations of Mobile Computing?	L1	CO1	PO1
10	Write about Quantum Computing.	L3	CO1	PO1
11	What are the applications of Optical Computing?	L1	CO1	PO1
12	How Nano Computing works?	L1	CO1	PO1
Part– B(Long Answer Questions)				
11	a) Explain HPC Technology?	L2	CO1	PO1
	b) Explain Parallel Computing and the types in parallelism?	L2	CO1	PO1
12	a) Explain Distributed computing and Centralized system?	L2	CO1	PO1
	b) Explain cluster computing and types of clusters?	L6	CO1	PO1
13	a) Explain Grid Computing and state the advantages and disadvantages?	L2	CO1	PO1
	b) Explain the cloud computing service models, essential characteristics and deployment models?	L1	CO1	PO1
15	a) Explain Bio computing and state its benefits?	L2	CO1	PO1
	b) Write in detail about Mobile Computing and state its Principles?	L2	CO1	PO1
16	a) Explain Quantum Computing and state the applications.	L1	CO1	PO1
	b) Write about optical computing and nano computing in detail?	L1	CO1	PO1

UNIT- II

S.No	Questions	BT	CO	PO
Part –A(Short Answer Questions)				
1	Explain the 5 essential characteristics of CC?	L1	CO2	PO1
2	State the drawbacks of CC?	L1	CO2	PO1
3	Write about Multi tenancy?	L1	CO2	PO1
4	Explain Interoperability?	L1	CO2	PO1
5	Explain the requirements for services in the IaaS category?	L1	CO2	PO1
6	How CC reduces spending capital on infrastructure?	L1	CO2	PO1
7	How maintenance cost is minimized using CC?	L1	CO2	PO1
8	Differentiate private and public cloud?	L3	CO2	PO1
9	What is Community cloud?	L1	CO2	PO1
10	What is ‘pay-per-use’ or ‘pay-as-you-go’?	L3	CO2	PO1
11	What is Cloud ecosystem?	L3	CO2	PO1
12	State the drawbacks of Cloud Computing?	L3	CO2	PO1

Part– B(Long Answer Questions)					
11	a)	Explain the motivation and need for cloud computing?	L2	CO2	PO1
	b)	Explain the definition of cloud computing?	L2	CO2	PO1
12	a)	Explain how cloud computing acts as a service as well as platform?	L2	CO2	PO1
	b)	Explain the 3 different cloud service models?	L6	CO2	PO1
13	a)	Explain the 4 deployment models in detail?	L2	CO2	PO1
	b)	Explain the cloud application and state the benefits of CC?	L1	CO2	PO1
	c)	Explain the requirements for cloud services.	L1	CO2	PO1
	b)	Explain the definition of cloud computing?	L2	CO2	PO3
12	a)	Explain how cloud computing acts as a service as well as platform?	L2	CO2	PO1
	b)	Explain the 3 different cloud service models?	L6	CO2	PO1
13	a)	Explain the 4 deployment models in detail?	L2	CO2	PO1
	b)	Explain the cloud application and state the benefits of CC?	L1	CO2	PO1
	c)	Explain the requirements for cloud services.	L1	CO2	PO1

UNIT-III				
S. No	Questions	BT	CO	PO
Part –A(Short Answer Questions)				
1	Draw the cloud Architecture.	L1	CO3	PO1
2	What are the components of cloud Architecture?	L1	CO3	PO1
3	What are the layers in the cloud?	L1	CO3	PO1
4	What are the challenges in managing a cloud environment?	L1	CO3	PO1
5	What are the 5 phases of cloud migration?	L1	CO3	PO1
6	What are the different approaches in the process of migration?	L1	CO3	PO1
7	What are the challenges in cloud migration?	L1	CO3	PO1
8	What are the benefits of cloud migration?	L3	CO3	PO1
9	What are the features of cloud management?	L1	CO3	PO1
Part– B(Long Answer Questions)				
11	a) Explain the cloud architecture with a suitable block diagram?	L2	CO3	PO1
	b) Explain all the layers of the cloud.	L2	CO3	PO1
12	a) Write in detail about the Anatomy of the cloud.	L2	CO3	PO1
	b) Describe network connectivity in cloud computing.	L6	CO3	PO1
13	a) Explain about the evolution of cloud applications from stand-alone applications.	L2	CO3	PO1
	b) Write about managing the infrastructure of the cloud.	L1	CO3	PO1
15	a) Write about managing the cloud application.	L2	CO3	PO1
	b) Explain the phases of migration to cloud and the different approaches in migration.	L2	CO3	PO1

UNIT-IV				
S.No	Questions	BT	CO	PO
Part –A(Short Answer Questions)				

1	Write about IaaS.	L1	CO4	PO1
2	What is SECaaS?	L1	CO4	PO1
3	What are the characteristics of IaaS?	L1	CO4	PO1
4	Write about limited capital investment.	L1	CO4	PO1
5	What are the benefits provided by IaaS?	L1	CO4	PO1
6	What is PaaS?	L1	CO4	PO1
7	List out the characteristics of PaaS.	L1	CO4	PO1
8	What is meant by Time to market?	L3	CO4	PO1
9	What are the services given by a SaaS provider?	L1	CO4	PO1
10	What is XaaS?	L3	CO4	PO1

Part– B(Long Answer Questions)

11	a)	Summarize the characteristics, suitability and pros & cons of IaaS.	L2	CO4	PO1
12	a)	Describe the characteristics, suitability and pros & cons of PaaS.	L2	CO4	PO1
13	a)	Write in detail about the characteristics, suitability and pros & cons of SaaS.	L2	CO4	PO1
14	a)	What are the characteristics of IaaS?	L2	CO4	PO1
15	a)	Write about limited capital investment.	L2	CO4	PO1
16	a)	What are the benefits provided by IaaS?	L2	CO4	PO1

UNIT-V

UNIT-V					
	Questions	BT	CO	PO	
Part –A(Short Answer Questions)					
1	Name the founders of EMC.	L1	CO5	PO1	
2	Explain the concept behind the success of EMC IT.	L1	CO5	PO1	
3	What is the purpose of SAP Labs?	L1	CO5	PO1	
4	What is the use of Captiva Cloud Toolkit?	L1	CO5	PO1	
5	How GCP is used?	L1	CO5	PO1	
6	What is Google Cloud Connect?	L1	CO5	PO1	
7	How to extend a printer's function?	L1	CO5	PO1	

8	How cloud users run web applications infrastructure?	L3	CO5	PO1
9	Write about AWS.	L1	CO5	PO1
10	What is Amazon EC2?	L3	CO5	PO1
Part– B(Long Answer Questions)				
11	a)	Explain EMC IT and Captiva Cloud Toolkit.	L2	CO5 PO1
	b)	Describe how Google Cloud Platform helps developers.	L2	CO5 PO1
12	a)	Write about Google Cloud Storage and Google Cloud Connect.	L2	CO5 PO1
	b)	Describe Google App Engine and Google Cloud Print.	L6	CO5 PO1
13	a)	Write in detail about AWS.	L2	CO5 PO1
	b)	Write about Amazon EC2.	L1	CO5 PO1
14	a)	Explain Amazon Simple Storage Service.	L2	CO5 PO1
	b)	Describe Amazon Simple Queue Service.	L2	CO5 PO1
15	a)	Write about MS Windows Azure.	L1	CO5 PO1
	b)	Describe MAP.	L2	CO5 PO1
16	a)	Write about IBM Cloud Models.	L2	CO5 PO1
	b)	Explain IBM Smart Cloud.	L1	CO5 PO1
17	a)	Describe Sales Cloud.	L2	CO5 PO1
	b)	Write about VM Ware.	L2	CO5 PO1
18	a)	Explain Manjra Soft and Aneka Platform.	L1	CO5 PO1



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