

An Autonomous Institute
NAAC Accreditation 'A' Grade
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#### SCHOOL OF COMPUTER SCIENCE

Subject: Cloud Computing (AM4110PE)

Unit wise Question Bank

Unit I

S.No   Questions   Questions   Questions   Part - A(Short Answer Questions)	(AM4110PE)									
What are the different computing paradigms?	S.N	o Qu	estions	BT	CO	PO				
What is High Performance Computing?  State the differences between distributed and parallel computing?  What are the advantages of using Cluster computing?  What are the advantages of using Cluster computing?  What are the types and applications of Grid Computing?  What are the types and applications of Grid Computing?  What are the 5 Essential Characteristics of cloud computing?  State the different Deployment Models in cloud computing?  How Bio computing Works?  What are the limitations of Mobile Computing?  What are the limitations of Mobile Computing?  What are the applications of Optical Computing?  What are the applications of Optical Computing?  L1 CO1 PO1  What are the applications of Optical Computing?  L1 CO1 PO1  What are the applications of Optical Computing?  L1 CO1 PO1  What are the applications of Optical Computing?  L2 CO1 PO1  Explain HPC Technology?  L2 CO1 PO1  L3 Explain Parallel Computing and the types in parallelism?  L2 CO1 PO1  L3 Explain Distributed computing and Centralized system?  L2 CO1 PO1  B Explain Grid Computing and state the advantages and disadvantages?  L3 CO1 PO1  B Explain Grid Computing and state the advantages and disadvantages?  L4 CO1 PO1  B Explain Bio computing and state the advantages and disadvantages?  L5 CO1 PO1  B Explain Bio computing and state its benefits?  L2 CO1 PO1  B Explain Quantum Computating and state the applications.  L1 CO1 PO1  B Explain Quantum Computating and state the applications.  L1 CO1 PO1	Part	Part -A(Short Answer Questions)								
State the differences between distributed and parallel computing?	1	What are	e the different computing paradigms?	L1	CO1	PO1				
What are the advantages of using Cluster computing?  What are the types and applications of Grid Computing?  What are the types and applications of Grid Computing?  What are the 5 Essential Characteristics of cloud computing?  It Col Pol  State the different Deployment Models in cloud computing?  How Bio computing Works?  What are the limitations of Mobile Computing?  What are the limitations of Mobile Computing?  What are the applications of Optical Computing?  It Col Pol  What are the applications of Optical Computing?  L1 Col Pol  What are the applications of Optical Computing?  L1 Col Pol  What are the applications of Optical Computing?  L1 Col Pol  Beart—B(Long Answer Questions)  A Explain HPC Technology?  Beart—B(Long Answer Questions)  L2 Col Pol  Beart—B(Long Answer Questions)  L3 Col Pol  Beart—B(Long Answer Questions)  L4 Col Pol  Beart—B(Long Answer Questions)  L5 Col Pol  Beart—B(Long Answer Questions)  L6 Col Pol  Beart—B(Long Answer Questions)  L7 Col Pol  Beart—B(Long Answer Questions)  L8 Col Pol  Beart—B(Long Answer Questions)  L9 Col Pol  Beart—B(Long Answer Questions)  L1 Col Pol  Beart—B(Long Answer Questions)  L2 Col Pol  Beart—B(Long Answer Questions)  Beart—B(Long Answer Questions)  L2 Col Pol  Beart—B(Long Answer Questions)  Beart—B(Long Answer Questions)  L2 Col Pol  Beart—B(Long Answer Questions)  Beart—B(Long Answer Questions)  L2 Col Pol  Beart—B(Long Answer Questions)  Beart—B(Long Answ	2	What is	High Performance Computing?	L1	CO1	PO1				
State the types and applications of Grid Computing?	3	State the	differences between distributed and parallel computing?	L1	CO1	PO1				
6 What are the 5 Essential Characteristics of cloud computing?  7 State the different Deployment Models in cloud computing?  8 How Bio computing Works?  9 What are the limitations of Mobile Computing?  10 Write about Quantum Computing.  11 CO1 PO1  12 How Nano Computing works?  12 CO1 PO1  13 Explain HPC Technology?  14 Explain Distributed computing and the types in parallelism?  15 Explain Grid Computing and state the advantages and disadvantages?  16 CO1 PO1  17 Explain Bio computing and state its benefits?  18 Explain Quantum Computing and state the applications.  19 CO1 PO1  10 Write about Quantum Computing?  11 CO1 PO1  12 LO1 PO1  13 Explain Distributed computing and Centralized system?  14 CO1 PO1  15 Explain Grid Computing and state the advantages and disadvantages?  16 CO1 PO1  17 Explain Bio computing and state its benefits?  18 Explain Bio computing and state its Principles?  19 CO1 PO1  10 Write in detail about Mobile Computing and state the applications.  10 PO1  11 CO1 PO1  12 CO1 PO1  13 Explain Bio computing and state its Principles?  19 CO1 PO1  10 PO1  11 CO1 PO1  12 CO1 PO1  13 Explain Bio Computing and state its Principles?  10 CO1 PO1  11 CO1 PO1  12 CO1 PO1  13 Explain Quantum Computating and state the applications.  11 CO1 PO1	4	What are	e the advantages of using Cluster computing?	L1	CO1	PO1				
7 State the different Deployment Models in cloud computing?  8 How Bio computing Works?  9 What are the limitations of Mobile Computing?  10 Write about Quantum Computing.  11 CO1 PO1  12 How Nano Computing works?  13 CO1 PO1  14 How Nano Computing works?  15 Explain Parallel Computing and the types in parallelism?  16 Explain Distributed computing and Centralized system?  17 Explain Grid Computing and state the advantages and disadvantages?  18 Explain Grid Computing and state the advantages and disadvantages?  19 Explain Bio computing and state its benefits?  10 Explain Quantum Computing and state the applications.  11 CO1 PO1  12 PO1  13 PO1  14 PO1  15 PO1  16 PO1  16 PO1  17 PO1  18 Explain Grid Computing and Centralized system?  19 Explain Grid Computing and state the advantages and disadvantages?  10 PO1  11 CO1 PO1  12 PO1  13 PO1  14 PO1  15 PO1  16 PO1  16 PO1  17 PO1  18 Explain Bio computing and state its Principles?  19 PO1  10 PO1  11 CO1 PO1  12 PO1  13 PO1  14 PO1  15 PO1  16 PO1  17 PO1  18 PO1  18 PO1  19 PO1  19 PO1  19 PO1  19 PO1  10 PO1  11 CO1 PO1  11 CO1 PO1  12 PO1  13 PO1  14 PO1  15 PO1  16 PO1  17 PO1  18 PO1  18 PO1  19	5	What are	the types and applications of Grid Computing?	L1	CO1	PO1				
B   How Bio computing Works?	6	What are	e the 5 Essential Characteristics of cloud computing?	L1	CO1	PO1				
What are the limitations of Mobile Computing?	7	State the	different Deployment Models in cloud computing?	L1	CO1	PO1				
10 Write about Quantum Computing.	8	How Bio	computing Works?	L3	CO1	PO1				
11 What are the applications of Optical Computing?	9	What are	e the limitations of Mobile Computing?	L1	CO1	PO1				
12   How Nano Computing works?	10	Write ab	out Quantum Computing.	L3	CO1	PO1				
Part- B(Long Answer Questions)  11 a) Explain HPC Technology?  b) Explain Parallel Computing and the types in parallelism?  12 a) Explain Distributed computing and Centralized system?  b) Explain cluster computing and types of clusters?  13 a) Explain Grid Computing and state the advantages and disadvantages?  14 b) Explain the cloud computing service models, essential characteristics and deployment models?  15 a) Explain Bio computing and state its benefits?  b) Write in detail about Mobile Computing and state its Principles?  16 a) Explain Quantum Computating and state the applications.  17 cO1 pO1 pO1 pO1 pO1 pO1 pO1 pO1 pO1 pO1 p	11	What are	e the applications of Optical Computing?	L1	CO1	PO1				
11 a) Explain HPC Technology?  b) Explain Parallel Computing and the types in parallelism?  12 cO1 PO1  13 a) Explain Distributed computing and Centralized system?  b) Explain cluster computing and types of clusters?  14 cO1 PO1  15 a) Explain Grid Computing and state the advantages and disadvantages?  15 a) Explain Bio computing and state its benefits?  b) Write in detail about Mobile Computing and state its Principles?  16 a) Explain Quantum Computating and state the applications.  17 cO1 PO1  18 cO1 PO1  19 cO1 PO1  10 PO1  11 CO1 PO1  12 CO1 PO1  13 con PO1  14 con PO1  15 con PO1  16 con PO1  17 con PO1  18 con PO1  19 con PO1  19 con PO1  20 con PO1  21 con PO1  22 con PO1  23 con PO1  24 con PO1  25 con PO1  26 con PO1  27 con PO1  28 con PO1  29 con PO1  20 con PO1	12	How Na	no Computing works?	L1	CO1	PO1				
b) Explain Parallel Computing and the types in parallelism?  12 a) Explain Distributed computing and Centralized system?  13 b) Explain cluster computing and types of clusters?  14 c) Explain Grid Computing and state the advantages and disadvantages?  15 a) Explain Bio computing and state its benefits?  16 b) Write in detail about Mobile Computing and state the applications.  18 c) Explain Parallel Computing and Centralized system?  19 L2 CO1 PO1  10 PO1  11 CO1 PO1  12 CO1 PO1  13 PO1  14 PO1  15 PO1  16 PO1  16 PO1  17 PO1  18 PO1  19 PO1  19 PO1  10 PO1  11 PO1  12 PO1  13 PO1  14 PO1  15 PO1  16 PO1  16 PO1  17 PO1  18 PO1  19	Part	t-B(Lon	g Answer Questions)							
a) Explain Distributed computing and Centralized system?  b) Explain cluster computing and types of clusters?  13 a) Explain Grid Computing and state the advantages and disadvantages?  14 b) Explain the cloud computing service models, essential characteristics and deployment models?  15 a) Explain Bio computing and state its benefits?  16 b) Write in detail about Mobile Computing and state its Principles?  16 c) Explain Quantum Computating and state the applications.  17 c) PO1  18 c) Explain Distributed computing and disadvantages?  19 c) PO1  10 pO1  11 c) PO1  12 c) PO1  13 po1  14 po1  15 po1  16 po1  16 po1  17 po1  18 po1  19 po1  19 po1  19 po1  19 po1  10 po1  10 po1  11 po1  12 po1  13 po1  14 po1  15 po1  16 po1  16 po1  17 po1  18 po1  19 po1  19 po1  19 po1  19 po1  19 po1  10 po1  1	11	a)	Explain HPC Technology?	L2	CO1	PO1				
b) Explain cluster computing and types of clusters?  13 a) Explain Grid Computing and state the advantages and disadvantages?  14 b) Explain the cloud computing service models, essential characteristics and deployment models?  15 a) Explain Bio computing and state its benefits?  16 b) Write in detail about Mobile Computing and state its Principles?  18 c) Explain Quantum Computating and state the applications.  19 c) PO1  10 PO1  11 PO1  12 PO1  13 PO1  14 PO1  15 PO1  16 PO1  16 PO1  16 PO1  17 PO1  18 PO1  19 PO1  19 PO1  10 PO1  10 PO1  11 PO1  12 PO1  13 PO1  14 PO1  15 PO1  16 PO1  16 PO1  17 PO1  18 PO1  19 P		b)	Explain Parallel Computing and the types in parallelism?	L2	CO1	PO1				
a) Explain Grid Computing and state the advantages and disadvantages?  L2 CO1 PO1  Explain the cloud computing service models, essential characteristics and deployment models?  L1 CO1 PO1  a) Explain Bio computing and state its benefits?  L2 CO1 PO1  Write in detail about Mobile Computing and state its Principles?  L2 CO1 PO1  A Explain Quantum Computating and state the applications.  L1 CO1 PO1	12	a)	Explain Distributed computing and Centralized system?	L2	CO1	PO1				
b) Explain the cloud computing service models, essential characteristics and deployment models?  15 a) Explain Bio computing and state its benefits?  b) Write in detail about Mobile Computing and state its Principles?  L2 CO1 PO1  L3 CO1 PO1  L4 CO1 PO1  L5 CO1 PO1  L6 CO1 PO1		b)	Explain cluster computing and types of clusters?	L6	CO1	PO1				
and deployment models?  15 a) Explain Bio computing and state its benefits?  b) Write in detail about Mobile Computing and state its Principles?  L2 CO1 PO1  L3 CO1 PO1  L4 CO1 PO1  L5 CO1 PO1  L6 a) Explain Quantum Computating and state the applications.  L1 CO1 PO1	13	a)	Explain Grid Computing and state the advantages and disadvantages?	L2	CO1	PO1				
b) Write in detail about Mobile Computing and state its Principles? L2 CO1 PO1  16 a) Explain Quantum Computating and state the applications. L1 CO1 PO1		b)		L1	CO1	PO1				
16 a) Explain Quantum Computating and state the applications. 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				
b) Write about optical computing and nano computing in detail? L1 CO1 PO1	16	a)	Explain Quantum Computating and state the applications.	L1	CO1	PO1				
		b)	Write about optical computing and nano computing in detail?	L1	CO1	PO1				

#### **Unit II**

S.N	No Questions	BT	CO	PO					
	Part –A(Short Answer Questions)								
1	Explain the 5 essential characteristics of CC?	L1	CO1	PO1					
2	State the drawbacks of CC?	L1	CO1	PO1					
3	Write about Multitenancy?	L1	CO1	PO1					
	Explain Interoperability?	L1	CO1	PO1					
	Explain there quirements for services in the IaaS category?	L1	CO1	PO1					
6	How CC reduces spending capital on infrastructure?	L1	CO1	PO1					
7	How maintenance cost is minimized using CC?	L1	CO1	PO1					
8	Differentiate private and public cloud?	L3	CO1	PO1					

9	What is Community cloud?	L1	CO1	PO1
10	What is 'pay-per-use' or 'pay-as-you-go'?	L3	CO1	PO1

11 \	What	is Cloud ecosystem?	L.1	CO1	PO1
		he drawbacks of Cloud Computing.	L1	CO1	PO1
		1 6	LI	COI	POI
Part	– B(L	ong Answer Questions)			
11	a)	Explain the motivation and need for cloud computing?	L2	CO1	PO1
	b)	Explain the definition of cloud computing?	L2	CO1	PO1
12	a)	Explain how cloud computing acts as a service as well as platform?	L2	CO1	PO1
	b)	Explain the 3 different cloud service models?	L6	CO1	PO1
13	a)	Explain the 4 deployment models in detail?	L2	CO1	PO1
	b)	Explain the cloud application and state the benefits of CC?	L1	CO1	PO1
	c)	Explain the requirements for cloud services.	L1	CO1	PO1
	b)	Explain the definition of cloud computing?	L2	CO1	PO1
12	a)	Explain how cloud computing acts as a service as well as platform?	L2	CO1	PO1
	b)	Explain the 3 different cloud service models?	L6	CO1	PO1
13	a)	Explain the 4 deployment models in detail?	L2	CO1	PO1
	b)	Explain the cloud application and state the benefits of CC?	L1	CO1	PO1
	c)	Explain the requirements for cloud services.	L1	CO1	PO1



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#### Unit-III

S. N	No Questions	BT	CO	PO					
Part	Part –A(Short AnswerQuestions)								
			ı	1					
1	Draw the cloud Architecture.	L1	CO1	PO1					
2	What are the components of cloud Architecture?	L1	CO1	PO1					
3	What are the layers in the cloud?	L1	CO1	PO1					
4	What are the challenges in managing a cloud environment?	L1	CO1	PO1					
5	What are the 5 phases of cloud migration?	L1	CO1	PO1					
6	What are the different approaches in the process of migration?	L1	CO1	PO1					
7	What are the challenges in cloud migration?	L1	CO1	PO1					
8	What are the benefits of cloud migration?	L3	CO1	PO1					
9	What are the features of cloud management?	L1	CO1	PO1					
Part	t–B(Long Answer Questions)								
11		L2	CO1	PO1					
	b) Explain all the layers of the cloud.	L2	CO1	PO1					
12	a) Write in detail about the Anatomy of the cloud.	L2	CO1	PO1					
	b) Describe network connectivity in cloud computing.	L6	CO1	PO1					
13	applications.	L2	CO1	PO1					
	b) Write about managing the infrastructure of the cloud.	L1	CO1	PO1					
15		L2	CO1	PO1					
	b) Explain the phases of migration to cloud and the different approaches in migration.	L2	CO1	PO1					

**Unit-IV** 

S.N	To Questions	BT	CO	PO				
Part	Part –A(Short Answer Questions)							
1	Write about IaaS.	L1	CO1	PO1				
2	What is SECaaS?	L1	CO1	PO1				
3	What are the characteristics of IaaS?	L1	CO1	PO1				
4	Write about limited capital investment.	L1	CO1	PO1				
5	What are the benefits provided by IaaS?	L1	CO1	PO1				
6	What is PaaS?	L1	CO1	PO1				
7	List out the characteristics of PaaS.	L1	CO1	PO1				
8	What is meant by Time to market?	L3	CO1	PO1				
9	What are the services given by a SaaS provider?	L1	CO1	PO1				
10	What is XaaS?	L3	CO1	PO1				

Part–B(Long Answer Questions)								
11	a)	Summarize the characteristics, suitability and pros & cons of IaaS.	L2	CO1	PO1			
12	,	Describe the characteristics, suitability and pros & cons of PaaS.	L2	CO1	PO1			
13	a)	Write in detail about the characteristics, suitability and pros & cons of SaaS.	L2	CO1	PO1			

### <u>Unit-V</u>

	Questions	BT	CO	PO				
Part	Part –A(Short Answer Questions)							
1	Name the founders of EMC.	L1	CO1	PO1				
_	Explain the concept behind the success of EMC IT.	L1	CO1	PO1				
	What is the purpose of SAP Labs?	L1	CO1	PO1				
	What is the use of Captiva Cloud Toolkit?	L1	CO1	PO1				
-	Iow GCP is used?	L1	CO1	PO1				
_	Vhat is Google Cloud Connect?	L1	CO1	PO1				
1 '	Iow to extend a printer's function?	L1	CO1	PO1				
_	Iow cloud users run web applications infrastructure?	L3	CO1	PO1				
	Vrite about AWS.	L1	CO1	PO1				
10 V	Vhat is Amazon EC2?	L3	CO1	PO1				
Part-	- B(Long Answer Questions)							
11	a) Explain EMC IT and Captiva Cloud Toolkit.	L2	CO1	PO1				
	b) Describe how Google Cloud Platform helps developers.	L2	CO1	PO1				
12	a) Write about Google Cloud Storage and Google Cloud Connect.	L2	CO1	PO1				
	b) Describe Google App Engine and Google Cloud Print.	L6	CO1	PO1				
13	a) Write in detail about AWS.	L2	CO1	PO1				
	b) Write about Amazon EC2.	L1	CO1	PO1				
14	a) Explain Amazon Sample Storage Service.	L2	CO1	PO1				
	b) Describe Amazon Simple Queue Service.	L2	CO1					
15	a) Write about MS Windows Azure.	L1	CO1					
	b) Describe MAP.	L2	CO1	PO1				
16	a) Write about IBM Cloud Models.	L2	CO1					
	b) Explain IBM Smart Cloud.	L1	CO1					
17	a) Describe Sales Cloud.	L2	CO1					
	b) Write about VM Ware.	L2	CO1	PO1				
18	a) Explain Manjra Soft and Aneka Platform.	CLT	CO1	PO1				