Code: P18CSE16,P18CIE16,P18ITE16

R18

HALL TICKET NUMBER

PACE INSTITUTE OF TECHNOLOGY & SCIENCES::ONGOLE
(AUTONOMOUS)
IV B.TECH I SEMESTER END SUPPLEMENTARY EXAMINATIONS, MARCH-2023
CLOUD COMPUTING
(Common to CSE, CSIT, IT Branches)

Time: 3 hours Max. Marks: 60

Note: Question Paper consists of Two parts (Part-A and Part-B)

PART-A

Answer **all** the questions in Part-A (**5X2=10M**)

Q.No.		Questions	Marks	CO	KL
1.	a)	Distinguish centralized computing and distributed computing.	[2M]	1	4
	b)	List some example products that employ para-virtualization architecture.	[2M]	2	4
	c)	Distinguish classical MapReduce and Iterative MapReduce.	[2M]	3	4
	d)	What is HDFS? Name two layers in HDFS.	[2M]	4	1
	e)	Distinguish full virtualization and paravirtualization.	[2M]	5	4

PART-B

Answer One Question from each UNIT (5X10=50M)

Q.No.		Questions	Marks	CO	KL
		UNIT-I			
2.	a)	Compare high-performance Computing and High Throughput Computing.	[5M]	1	2
	b)	Compare the features of three distributed operating systems.	[5M]	1	2
		OR			
3.	a)	Summarize performance Metrics and Scalability Analysis for Virtual Machines.	[5M]	1	2
	b)	Explain the peer-peer network families and cloud computing over the	[5M]	1	2
		UNIT-II			
4.	a)	What is middleware? Why middleware is used in virtualization?	[5M]	2	1
	b)	What is CPU Virtualization? Discuss the hardware-assisted CPU Virtualization.	[5M]	2	1
		OR			
5.		Explain the Virtualization Structures/tools and mechanisms in detail.	[10M]	2	2
		UNIT-III			
6.	a)	Discuss the PaaS and SaaS models for cloud computing.	[5M]	3	6
	b)	Discuss the resource provisioning and platform deployment.	[5M]	3	6
		OR			
7.	a)	Discuss the inter-cloud resource management.	[5M]	3	6
	b)	Explain virtual machine creation and management.	[5M]	3	2
		UNIT-IV			
8.	a)	Explain the MapReduce framework and it's working in detail.	[5M]	4	2
	b)	Explain Google's NoSQL system	[5M]	4	2
		OR			
9.	a)	Explain SQL Azure & Azure tables.	[6M]	4	2
	b)	Compare the various deadlines concerning to cloud scheduling?	[4M]	4	2
		UNIT-V			

10.	a)	Discuss the policies and mechanisms for resource management.	[5M]	5	6
	b)	Explain the Borrowed Virtual Time scheduling algorithm.	[5M]	5	2
		OR			
11.		Explain the architecture of GFS clustering.	[10M]	5	2

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