

HALL TICKET NUMBER

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PACE INSTITUTE OF TECHNOLOGY & SCIENCES::ONGOLE
(AUTONOMOUS)

IV B.TECH I SEMESTER END SUPPLEMENTARY EXAMINATIONS, MARCH-2023
FUNDAMENTALS OF CLOUD COMPUTING
(Common to CE & ECE Branches)

Time: 3 hours

Max. Marks: 60

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

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

Q.No.	Questions	Marks	CO	KL
1.	a) What is utility computing	[2M]	1	1
	b) Define hypervisor	[2M]	2	1
	c) What is SOA? Service Oriented Architecture	[2M]	3	1
	d) Define MapReduce	[2M]	4	1
	e) What are the features of Google File System	[2M]	5	1

PART-BAnswer **One Question from each UNIT (5X10=50M)**

Q.No.	Questions	Marks	CO	KL
UNIT-I				
2.	Discuss performance Metrics and Scalability Analysis for virtual Machines.	[10M]	1	2
OR				
3.	a) Discuss about classification of Distributed and Parallel Computing Systems.	[5M]	1	2
	b) Explain about Service Oriented Layered Architecture.	[5M]	1	2
UNIT-II				
4.	a) Explain the middleware support for virtualization.	[5M]	2	2
	b) Explain the differences between full-virtualization and para-virtualization with example.	[5M]	2	2
OR				
5.	a) Explain about virtualization support at the OS level.	[5M]	2	2
	b) What is Memory virtualization? Explain two level memory mapping procedure.	[5M]	2	2
UNIT-III				
6.	a) Explain about Resource provisioning and Platform deployment?	[5M]	3	2
	b) Explain the REST.	[5M]	3	2
OR				
7.	Explain the different types of cloud platforms.	[10M]	3	2
UNIT-IV				
8.	a) Explain the Map Reduce framework in Hadoop.	[5M]	4	2
	b) Write and explain about Amazon AWS and Microsoft Azure.	[5M]	4	4
OR				
9.	a) Differentiate between piglatin, sawzall & DrayadLINQ.	[5M]	4	2
	b) Describe open Source Eucalyptus and Nimbus in detail.	[5M]	4	2
UNIT-V				

10.		Explain the policies and mechanisms for resource management.	[10M]	5	2
OR					
11.	a)	Explain the advantages and disadvantages of parallel file system.	[5M]	5	2
	b)	What is Bigtable? How it is related to GFS.	[5M]	5	2
