Code: P18CSO07

R18

HALL TICKET NUMBER

PACE INSTITUTE OF TECHNOLOGY & SCIENCES::ONGOLE
(AUTONOMOUS)
IV B.TECH I SEMESTER END REGULAR EXAMINATIONS, NOV-2022
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-A

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

Q.No.		Questions	Marks	CO	KL
1.	a)	Define parallel computing	[2M]	1	1
	b)	What is I/O virtualization	[2M]	2	2
	c)	What are extended cloud computing services	[2M]	3	2
	d)	Name two layers in HDFS	[2M]	4	2
	e)	What is the cloud storage system	[2M]	5	1

PART-B

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

Q.No.		Questions	Marks	CO	KL
		UNIT-I			
2.	a)	Explain the grid computing infrastructures	[5M]	1	2
	b)	What are the advantages of Cloud Computing over the Internet? Explain.	[5M]	1	2
		OR			
3.		Briefly explain the following terms associated with network threats in a distributed computing system: (a) Denial of service (b) Trojan horse (c) Network worm (d) Data integrity (h) Confidentiality	[10M]	1	2
		UNIT-II			
4.	a)	Explain the Xen architecture with neat sketch	[5M]	2	2
	b)	Discuss about Binary translation with full virtualization	[5M]	2	2
		OR			
5.	a)	Discuss about VMM design requirements	[5M]	2	2
	b)	Explain CPU virtualization	[5M]	2	2
		UNIT-III			
6.		Explain in detail about various Cloud services	[10M]	3	2
		OR			
7.	a)	Explain the Cloud echo system for building Private Cloud	[5M]	3	2
	b)	Describe REST and systems of systems in detail	[5M]	3	2
		UNIT-IV			
8.		Explain about simple storage service	[10M]	4	2
		OR			
9.	a)	List the attractive features of Hadoop and describe about Hadoop Cluster	[5M]	4	2
	b)	Describe Sawzall and Pig Latin High-Level Languages in detail	[5M]	4	2
		UNIT-V			

10.		Explain the two level resource allocation architecture with neat sketch	[10M]	5	2
OR					
11.	a)	Discuss about Google File System. Write its advantages	[5M]	5	2
	b)	Discuss about apache Hadoop.	[5M]	5	2

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