Code: 4C174			ı	I		1	R-14	
Hall Ticket Number :								

IV B.Tech. I Semester Supplementary Examinations April 2019

	ΙV	b. recti. I seriesiei supplementary Examinations April 2017	
		High Performance Computing	
A. A. -	.	(Computer Science and Engineering)	
		rks: 70 I five units by choosing one question from each unit (5 x 14 = 70 Marks)	

		UNIT-I	
1.	a)	Define distributed computing? List its characteristics.	3M
	b)	What are the operating system concepts relevant to the distributed computing? Explain them.	11M
		OR	
2.	a)	What is RMI? Where we will be using it?	4M
	b)	Explain the distributed computing paradigms?	10M
	,	UNIT-II	
3.	a)	What is cluster? Why we need them?	4M
	b)	Explain clustering RMS architecture	10M
		OR	
4.		List and explain the Security issues of Grid Computing	14M
		UNIT-III	
5.	a)	What is meant by WSGA? Give brief description about it.	6M
	b)	What are the characteristics of web services?	8M
		OR	
6.	a)	Explain about messaging in SOA?	4M
	b)	How to merge the grid services architecture with web services architecture?	4014
		Explain.	10M
7	٥)	What is OGSA? What are its functionalities? Explain.	6M
7.	a)	·	
	b)	What are the components in OGSA PLATFORM?	8M
	,	OR	
8.	a)	Define Cloud Computing? Write the applications of the same.	4M
	b)	Explain open grid service architecture with sample use case?	10M
0	- \	UNIT-V	514
9.	a)	What is Globus 3 toolkit? Discuss.	5M
	b)	What are the security services in GT3? Explain.	9M
		OR	
10.	a)	What are the high level services present in GT3?	2M
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b) Explain the OGSI.NET middleware solutions?

12M