	No: 157AW		R18
ouer	JAWAHARLAL NEHRU TECHNOLOGICAL UNIVE	RSITV	
	B.Tech III Year I Semester Examinations, January/February-2023 C		HI DENADAD
	COMPUTING		
me:	3Hours Ma	x. Mark	s: 75
	i) Question paper consists of Part A, Part B.		
	ii) Part A is compulsory, which carries25marks. In Part A, Answer all qu		
a)	Why is it necessary to understand the various computing environments?	[2]	[2]
	<ul><li>b) How parallel computing differs from Distributed computing?</li><li>c) What is cloud computing?</li></ul>		[3] [2]
	<ul><li>d) State the need for cloud computing.</li></ul>		[2]
	<ul><li>e) What is public cloud access networking?</li></ul>		[2]
	f) Describe Elasticity and Multitenancy properties in brief.		[3]
	g) What do you mean by Desktop as a Service cloud mode?		[2]
	h) Write down the pros and cons of Platform as a service.		[3]
	i) What is the main purpose of Google Cloud Connect?		[2]
	j) Give an overview of Google App Engine cloud service.		[3]
	PART-B		
	What is High-Performance computing? Describe the need of HPC taking a	any two	(50 Marks
	what is flight enormance computing. Describe the need of fli e taking a	iny two	Teal case seenarios.
			[10]
	OR		[10]
a)	OR How a cluster computing differs from cloud computing? State the need for computing.	r cluster	
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,	How a cluster computing differs from cloud computing? State the need for computing.	r cluster	computing and grid
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CodeNo: 157AW

## **R18**

## JAWAHARLALNEHRUTECHNOLOGICALUNIVERSITY HYDERABAD

B.Tech III Year I Semester Examinations, July/August-2022

**CLOUD COMPUTING** 

**Time: 3Hours** 

Max.Marks:75

Answer any five questions

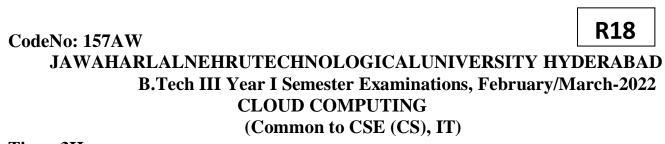
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All questions carry equal marks

1.a) Differentiate between cluster computing and cloud computing.

	ARSIMHA REDDY ENGINEERING COLLEGE UGC AUTONOMOUS INSTITUTION Maisammaguda (V), Kompally - 500100, Secunderabad, Telangana State, India	Accredited by NBA & NAAC with 'A' Grade Approved by AICTE Permanently affiliated to JNTUH	
b)	Explain in detail about optical and Nano computing.[5+10]		
2.	What is high performance computing? How to achieve it? Explain different technologies used to achieve high performance computing.[15]		
3. a) b)	Define cloud computing? Explain, how Cloud computing is used as platform. What are the five essential characteristics of cloud computing? Discuss.[5+10]		
4.	Discuss in detail about different deployment models of cloud.[15]		
5.a) b)	Explain about network connectivity in cloud computing. Discuss about applications in cloud.	[7+8]	
6.a) b)	Discuss the phases involved in migrating a cloud. Explain how cloud applications are managed.	[7+8]	
7.a) b)	Discuss in detail about characteristics, suitability, pros and cons or Discuss about examples of Iaas providers and range of services the		
8.a) b)	Explain briefly about Captiva Cloud Toolkit. What is virtualization? Explain about virtualization services prov	vided by SAP. [5+10]	

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## **Time: 3Hours**

Time: 3Hours

Max. Marks: 75

Answer any Five Questions All Questions Carry Equal Marks

	UGC AUTONOMOUS INSTITUTION	Accredited by NBA & NAAC w Approved by AICTE Permanently affiliated to JN	
1.	<ul><li>In detail, explain the following computing paradigms</li><li>a) Mobile Computing</li><li>b) Cluster Computing.</li></ul>	[7+8]	
2.a) b)	Explain the need and features of cloud computing. Enumerate the differences between nano computing and optical computing and	omputing. [8+7]	
3.a) b)	Explain cloud computing with perspective as a platform. Discuss about the four cloud deployment models.	[7+8]	
4.a) b)	Explain the principles of cloud computing. Explain the service-platform-infrastructure (SPI) model of the clo	ud. [7+8]	
5.	With a neat diagram, explain the components in the anatomy of th	ne cloud. [15]	
6.a) b)	Explain the different phases of cloud migration. Discuss about network connectivity in cloud computing.	[8+7]	
7.a) b)	What is Software-as-a- Service (Saas)? Explain the characteristics Explain the pros and cons of Iaas.	s of Saas. [8+7]	
8.	Write Short notes on: a) SAPHANA Cloud Platform b) VMware.	[7+8]	

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	Maisammaguda (V), Kompally - 500100, Secunderabad, Telangana State, India	Permanently affiliated to JNTUH
		R18
Code	No: 157AW	
	JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYD	ERABAD
	B. Tech IV Year I Semester Examinations, July/August - 202 CLOUD COMPUTING	22
	(Common to CSE, IT)	
Time		Max.Marks:75
	Answer any five questions	
	All questions carry equal marks	
1.a)	Differentiate between cluster computing and cloud computing.	
b)	Explain in detail about optical and Nano computing.	[5+10]
		• **** E3***
2.	What is high performance computing? How to achieve it? Explain diff	erent technologies
	used to achieve high performance computing.	[15]
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3.a)	Define cloud computing? Explain, how Cloud computing is used as platfo	orm.
b)	What are the five essential characteristics of cloud computing? Discuss.	[5+10]
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4.	Discuss in detail about different deployment models of cloud.	[15]
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5.a)	Explain about network connectivity in cloud computing.	
b)	Discuss about applications in cloud.	[7+8]
6.a)	Discuss the phases involved in migrating a cloud.	
b)	Explain how cloud applications are managed.	[7+8]
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7.a)	Discuss in detail about characteristics, suitability, provand cors of IaaS.	
b)	Discuss about examples of IaaS providers and range of services they offer	r. [10+5]
5	N.	22
8.a)	Explain briefly about Captiva Cloud Toolkit.	
b)	What is virtualization? Explain about virtualization services provided by	SAP. [5+10]
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