HT NO:

Max. Marks: 70

CMR TECHNICAL CAMPUS

UGC AUTONOMOUS

B. Tech. VII Semester Regular End Examinations, November-2023

Cloud Computing Common to CSE, IT, CSM &CSD

Time: 3 Hours

Note

i. This Question paper contains Part- A and Part- B.

ii. All the Questions in Part A are to be answered compulsorily.

iii. All Questions from Part B are to be answered with internal choice among them.

PART-A

 $10 \times 02 = 20 \text{ Marks}$

			Marks	СО	BL
1.	a b	Compare grid computing with electric power grid Mention the use of distributed computing	2M 2M	CO1 CO1	L2 L1
	c d	Define cloud computing. Interpret the motivation for cloud computing.	2M 2M	CO2 CO2	L1 L2
	e f	What is the use of server consolidation? Explain the pay-as-you-go paradigm.	2M 2M	CO3	L3 L2
	g h	List the different PaaS providers and their products. Mention the user and service provider responsibilities of IaaS service model.	2M 2M	CO4 CO4	L1 L1
	i j	What is the use of VCloud? Mention the role of a cloud service provider.	2M 2M	CO5 CO5	L2 L1
		PART- B	5 X 10 =	50 Marks	3
		PART- B	5 X 10 =	50 Marks	s BL
2	. a b	Discuss the role of mobile computing in the future. What are the potential advantages of optical computing over traditional electronic computing?			
2	ъ	Discuss the role of mobile computing in the future. What are the potential advantages of optical computing over traditional electronic computing? OR How is high performance computing contributing to	Marks 5M	CO CO1	BL L3
	ъ	Discuss the role of mobile computing in the future. What are the potential advantages of optical computing over traditional electronic computing? OR How is high performance computing contributing to advancements in various fields? What are the fundamental principles of quantum computing and how do they enable the development of algorithms and	Marks 5M 5M	CO1 CO1	BL L3 L2
	b a b	Discuss the role of mobile computing in the future. What are the potential advantages of optical computing over traditional electronic computing? OR How is high performance computing contributing to advancements in various fields? What are the fundamental principles of quantum computing and how do they enable the development of algorithms and applications that could potentially revolutionize industries	Marks 5M 5M	CO1 CO1 CO1	BL L3 L2

Subj	ect (Code:	20CS741PE	(SET-II	HT NO:	7 R		L ₁	-is i
//				•		L			 	
<i>``\\</i>	_		1		OR			•		
	5	a	Cloud computing proper example.	is a service	. Justify the state	ement with	5M	CO2	L3	
		b	Describe a real lift computing	e example to	illustrate the ne	ed for cloud	5M	CO2	L3	
	6	a	Illustrate the diffe	rent feature	s of cloud with s	suitable example	5M	CO3	L2	
		Ъ	Write notes on ne	twork conne	ectivity in cloud OR	computing	5M	CO3	L2	
	7	a	Discuss the layers	of cloud ar	chitecture.		5M	CO3	L3	
		Ь	Explain the appro				5M	CO3	L2	
	8	a	Describe the chara	acteristics of	f IaaS, PaaS and	SaaS	5M	CO4	L1	
		Ъ	Explain the scenar the best option.				5M	CO4	L3	
					OR					
	9	a	Write an overview			ıple.	5M	CO4	L2	
		Ъ	Write the pros and	l cons of Iaa	S and SaaS		5M	CO4	L1	
	10	a	Explain the cloud example	services pro	vided by EMC	with an	5M	CO5	L2	
		Ъ	Explain briefly about	out the SAP	HANA cloud. OR		5M	CO5	L2	
	11	a	Illustrate the differ suitable diagram.	ent module	s in a Google ap	p engine with	5M	CO5	L2	
•		Ъ	Explain the cloud suitable examples.	services pro	vided by Micros	soft with	5M	CO5	L2	

CO : Course Outcomes

BL : Bloom's Taxonomy Levels L 1 : Remembering L 2 : Understanding

L 3 : Applying L 4 : Analysing

L 5: Evaluating L 6: Creating

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CMR TECHNICAL CAMPUS **UGC AUTONOMOUS**

B. Tech. VII Semester Supply End Examinations, April-2024 **Cloud Computing**

Common to CSE, IT, CSM &CSD

Time: 3 Hours

Max. Marks: 70

Note

- i. This Question paper contains Part- A and Part- B.
- ii. All the Questions in Part A are to be answered compulsorily.
- iii. All Questions from Part B are to be answered with internal choice among them.

PART-A

 $10 \times 02 = 20 \text{ Marks} /$

			Marks	CO	BL
1.	a	What is cloud computing?	2	CO1	1
	b	How will Quantum Computing change the future? -	2	CO1	1
	С	List the four cloud deployment models.	2	CO2	1
	d	What is PaaS?	2	CO2	1
	e	Explain about Network layer of cloud architecture?	2	CO3	2
	f	Explain the functionality of Hardware Resource Layer in Cloud architecture.	2	CO3	2
	g	What is IaaS?	2	CO4	1
	h	List the drawbacks of SaaS.	2	CO4	1
	i	List the services offered by EMC IT.	2	CO5	1
	j	Define vCloud.	2	CO5	1

PART-B

 $5 \times 10 = 50 \text{ Marks}$

		Marks	CO	BL
2.	Illustrate the inner working of cluster computing OR	10	CO1	2
3	Compare the distributed computing and network computing.	10	CO1	2
4	Outline the cloud computing reference model with a neat diagram.	10	CO2	2
	OR	10	CO2	2
5	Summarize the five essential characteristics of Cloud Computing	10	CO2	2
6	Demonstrate the anatomy of cloud with a diagram.	10	CO3	2

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		OR				
2 6) 7	Outline various type computing.	s of Network connectivi	ty in cloud	10	CO3	2
8		diagram " Infrastructure del and it's functionalitie OR		10	CO4	2
9	Illustrate the process Service models with	of deployment and deli a neat diagram.	very of Cloud	10	CO4	2
10	Describe the services	s provided by IBM Sma OR	rtCloud	10	CO5	2
11	Explain the features	of Aneka platform.		10	CO5	2
