

USN

18CS643

Sixth Semester B.E. Degree Examination, Dec.2024/Jan.2025 Cloud Computing and its Applications

Time: 3 hrs. Max. Marks: 100

Note: Answer any FIVE full questions, choosing ONE full question from each module.

		Madula 1	
1	a.	Module-1 What is cloud computing? Explain its characteristics and challenges.	(10 Marks
1	а. b.	With neat diagram, explain hardware virtualization reference model.	(10 Marks
	0.	With feat diagram, explain fateware virtualization reference model.	(10 Marks
		OR	
2	a.	Explain taxonomy of virtualization technique with neat diagram.	(10 Marks
	b.	Explain VMware workstation architecture with neat diagram.	(10 Marks
		Module-2	
3	a.	With neat diagram, explain infrastructure as a service reference implementation.	(10 Marks
	b.	Explain Aneka framework overview with neat diagram.	(10 Mark
		OP	
4	0	OR	(10 M l-
4	a. b	Describe platform as a service reference model with neat diagram. Explain 3 types of services that are hosted inside the Aneka container.	(10 Mark
	b.	Explain 5 types of services that are nosted histor the Africka container.	(10 Mark
		Module-3	
5	a.	Discuss techniques for parallel computation with thread.	(10 Mark
	b.	Explain abstract model of a workflow system.	(10 Mark
		OR	
6	a.	Compare local thread and Aneka thread life cycles with diagram.	(10 Mark
	b.	Explain the features provided by Aneka for the execution of parameter sweep app	
			(10 Mark
		Modulo	
7	0	Module-4 With neat diagram, explain Amazon Dynamo architecture.	(10 Mords
/	a. b.	Write short note on: (i) Google Big table (ii) Apache Cassandra	(10 Mark (10 Mark
	υ.	White short note on . (1) Google Big table (11) Apache Cussandia	(10 Maik
		OR .	
8	a.	Explain MapReduce computation workflow with neat diagram.	(10 Mark
	b.	With neat diagram, explain Aneka MapReduce data file format.	(10 Mark
		Module-5	
9	a.	Explain Google App engine platform architecture with neat diagram.	(10 Mark
	b.	Write short note on: (i) Url fetch (ii) Memcache	(10 Mark
		O.D.	
10		OR	(10.35.5
10	a.	Explain Microsoft Windows Azure platform architecture with neat diagram.	(10 Mark
	b.	Write short note on: (i) Blobs (ii) Azure cache.	(10 Mark

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