Hall Ticket No						Question Paper Cod	le: ACSB17
INS"	TITUTE	-	(Au	tonomou		IGINEERING	
B.Tech VII SE		END I	EXAM Reg	INATION ulation: F	S (REGU	LAR) - FEBRUAR	Y 2022
Time: 3 Hours				(CSE)		Max	Marks: 70
All	parts of t	the ques		DULE –		one place only	
						sed services and applicated advantage of SaaS.	tions. [7 M] [7 M]
2. (a) What is Mic	rosoft Azu	re? Expl	ain the	various cor	, C		
(b) Explain the	following c	-			-	Windows Azure.	[7M]
	0	-			-	f Windows Azure.	[7M] [7M]

3.	(a)	What is NIST model in cloud computing? Explain the NIST cloud computing reference architecture. [7M]
	(b)	Describe multi-tier architecture and how each tier works? List the applications of multi-tier achitecture. [7M]
4.	(a)	What is data intensive computing? Explain about parallel computing architecture with an example. [7M]
	(b)	List the differences and similarities between hybrid cloud and multi-cloudsite. [7M]

$\mathbf{MODULE}-\mathbf{III}$

5.	(a)	Explain briefly about desktop and application virtualization with an example.	[7M]
	(b)	Discuss virtualization middleware for scientific cloud computing in open source offerings, have to think of consciousness from metaphysical perspective in implementation of it. J	
		your answer.	[7M]

- 6. (a) Explain in detail the various aspects for the need of virtualization in cloud computing. [7M]
 - [7M](b) Describe the process and system virtual machines with neat diagrams.

$\mathbf{MODULE}-\mathbf{IV}$

7. (a) Explain the policies and mechanisms for resource management in cloud data centers. [7M](b) What is borrowed virtual time? Discuss about borrowed virtual time in cloud computing. [7M]. 8. (a) What is resource bundling? Explain in detail about combinatorial auctions for cloud resources.

(b) List and explain the two application scaling strategies in resource management and dynamic application scaling. [7M]

$\mathbf{MODULE}-\mathbf{V}$

- 9. (a) What is cloud security? Discuss the various types of attacks in a cloud-computing environment. [7M]
 - (b) Explain the virtual security services provided in VMM. Discuss in detail about VMM-based threats. [7M]
- 10. (a) Discuss in detail about operating system and virtual machine security. [7M]
 - (b) Compare the three cloud computing delivery models, SaaS, PaaS, and IaaS, from the point of view of the application developers and users. Discuss the security and the reliability of each one of them. Analyze the differences between the PaaS and the IaaS. [7M]



[7M]