MIT ACADEMY OF ENGINEERING

COURSE CODE: CS353T   **03 JUNE 2022**

TY BTECH SEMESTER - V RE-EXAMINATION 2021 - 2022
DEPARTMENT OF COMPUTER ENGINEERING
END SEMESTER EXAMINATION
CLOUD COMPUTING FOUNDATIONS

TIME : 3 HOURS   **MAX MARKS : 100**

TOTAL NO OF QUESTIONS: 06   **TOTAL NO OF PRINTED PAGES: 02**

INSTRUCTIONS TO CANDIDATES:

1. Assume suitable data wherever necessary
2. Non programmable scientific calculators are allowed
3. Black figures to the right indicate full marks

1	**a)**	Explain the need for Multi Factor Authentican as well as the process to enable Multi Factor Authentication	**[6]**	**CO1**	**L3**
	b)	Explain the difference between IAM User, IAM Role and IAM Policy	**[6]**	**CO1**	**L3**
	c)	Explain various Cloud Deployment Models	**[4]**	**CO1**	**L2**
2	**a)**	Explain various options to be selected while launching an EC2 instance	**[6]**	**CO2**	**L3**
	b)	Which rules will be added in Security Group which are attached to an EC2 isntance	**[6]**	**CO2**	**L4**
	c)	What is the syntax to connect to an EC2 instance using a key pair?	**[4]**	**CO2**	**L3**
3	**a)**	Explain S3 LifeCycle Process	**[8]**	**CO3**	**L3**
	b)	Which options can be given while creating a S3 Bucket?	**[8]**	**CO3**	**L3**

[1]

4	a)	What is the difference between Amazon RDS and Amazon Aurora?	[6]	CO4	L4
	b)	Why In-Memory databases are used? Explain any one In-Memory Database Service available with AWS	[6]	CO4	L4
	c)	Explain the features of Amazon DynamoDB	[4]	CO4	L3
5	a)	What is the need for Amazon VPC? Explain various components available in Amazon VPC	[8]	CO5	L3
	b)	What is the difference between Public IP, Private IP and Elastic IP?	[4]	CO5	L3
	c)	Explain the need of Bastian Host and the steps to use it	[6]	CO5	L4
6	a)	What do you mean by high availability and fault tolerance? Explain the steps used to achieve high availability and fault toleance in AWS.	[18]	CO6	L5