MIT ACADEMY OF ENGINEERING

COURSE CODE: CS353T **29 JANUARY 2024**

TY BTECH SEMESTER - V RE-EXAMINATION BACKLOG 2019 PATTERN 2023 - 2024

DEPARTMENT OF COMPUTER ENGINEERING

RE-EXAMINATION

CLOUD COMPUTING FOUNDATIONS

TIME : 3 HOURS **MAX MARKS : 80**

TOTAL NO OF QUESTIONS: 04 **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 advantages of moving the applications on Cloud Computing	**[6]**	**CO1**	**L2**
	b)	Explain various Cloud Computing service models	**[6]**	**CO1**	**L2**
	c)	What is the need of placement groups? Explain various types of placement groups provided by AWS with their application areas	**[8]**	**CO1**	**L3**
2	**a)**	Which are the components of IAM policy? Explain with suitable example by creating a policy for EC2 instances	**[6]**	**CO2**	**L3**
	b)	With suitable example explain the concept of Permission Boundary and Service Control Policy	**[8]**	**CO2**	**L3**
	c)	Explain various storage classes available in Amazon S3	**[6]**	**CO3**	**L2**
3	**a)**	Explain any four types of database services supported by AWS	**[8]**	**CO3**	**L2**
	b)	Explain various components of VPC	**[8]**	**CO4**	**L2**
	c)	What is need of CloudFront service provided by AWS?	**[4]**	**CO5**	**L2**

4	**a)**	Explain various types of load balancers supported by AWS	**[6]**	**CO6**	**L2**
	b)	What is the need of Autoscaling Groups? Explain the significance of minimum, desired and maximum fields of autoscaling groups	**[6]**	**CO6**	**L3**
	c)	Explain various scaling policies supported by autoscaling groups	**[8]**	**CO6**	**L2**