G.R. No.	

PAPER CODE	U483-253D (RE)

MAY 2023 (ENDSEM) EXAM
FINAL YEAR B.TECH (COMP/IT/E&TC/MECH/CIVIL)
(AY 2022-23 SEMESTER - II)
COURSE NAME: OPEN ELECTIVE-II (CLOUD COMPUTING)
COURSE CODE: IOEUA40183D
(PATTERN 2018)

Time: [1Hr]   [Max. Marks: 30]

Instructions to candidates:
1) Use of scientific calculator is allowed
2) Use suitable data where ever required
3) All questions are compulsory

Question No.	Question Description	Max. Marks	CO mapped	BT Level
Q.1	a) Analyze and explain the different key storage options offered by Amazon.	[4]	[4]	[4]
	b) Illustrate the life cycle of an EC2 instance in AWS using a diagram.	[6]	[4]	[3]
	OR			
	c) A client wants to deploy his static website on cloud. As a cloud consultant explain how he can deploy his website on cloud. Choose the suitable AWS service for the same?	[6]	[4]	[5]
Q.2	a) Discuss the Performance Metrics for HPC/HTC systems.	[4]	[5]	[2]
	b) Design a system for Smart Building using ubiquitous computing and explain usage through a relevant use case.	[6]	[5]	[4]
	OR			

	c) What is your opinion on the effectiveness of RFID technology in an IoT application? Write the impact of privacy and security concerns in an IoT application using RFID technology.	**[6]**	[5]	[5]
Q.3	a) Explain Client-Server Architecture of Docker? What are the advantages of using the client-server architecture of Docker for container management?	**[4]**	[6]	[4]
	b) Analyze the differences between containers and virtual machines (VMs) and evaluate the potential benefits and drawbacks of using them together for deploying applications?	**[6]**	[6]	[4]
	OR			
	c) Demonstrate the process of creating a Kubernetes cluster using an EC2 instance.	**[6]**	[6]	[3]

Note: [BT Level- 1. Remember 2.Understand 3.Apply 4. Analyze 5. Evaluate 6. Create]