

Total No. of Questions – [03]

Total No. of Printed Pages:02

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

Time: [1Hr]

[Max. Marks: 30]

Instructions to candidates:

- 1) Answer Q.1 OR Q.2, Q.3 OR Q.4, Q.5 OR Q.6.
- 2) Figures to the right indicate full marks.
- 3) Use of scientific calculator is allowed
- 4) Use suitable data where ever required

Question No.	Question Description	Marks	CO mapped	Blooms Taxonomy Level
Q.1	a) Elaborate on different services offered by Amazon Solution: List of Services (2 Marks) Explanation of any 2 services (2 Marks)	[4]	4	Evaluate
Q.2	b) Discuss the durability of S3-Galcier Solution: Explanation with Justification (1.5 Marks Each Point) OR	[6]	4	Evaluate
	a) List Various features of Amazon Elastic Compute Cloud (EC2). Solution: Features with explanation (4 Marks - 1 Marks Each Point)	[4]	4	Apply
	b) Identify the benefits of the Elastic Load balancer Solution: List of Benefits (3 Marks) Explanation of Benefits (3 Marks)	[6]	4	Apply

Q.3	<p>a) Justify the benefits of GPS over the sensor networks. Solution: Explanation and Comparison of GPS & Sensor Networks (4 Marks)</p> <p>b) Elaborate Large Scale Private Clouds on NASA and CERN. Solution: Explanation of Private Clouds of NASA (3 Marks). Explanation of Private Clouds of CERN (3 Marks).</p>	[4]	5	Evaluate
	<p>OR</p> <p>a) Discuss the Performance Metrics for HPC/HTC systems. Solution: List and Explanation of Performance Metrics (4 Marks-1 Mark for each)</p> <p>b) Determine the use of ubiquitous computing in supply chain management Solution: Explanation of what Ubiquitous Computing is all about (2 Mark). Application of Ubiquitous Computing in supply chain management (4 marks).</p>	[6]	5	Apply
Q.4		[4]	5	Apply
		[6]	5	Evaluate
Q.5	<p>a) List down the steps to create a Docker file Solution: List of Steps to create a Docker File (1 Mark for each step)</p> <p>b) Illustrate Client-Server Architecture of Docker Solution: Diagram of Architecture (2 Marks) Explanation of each component in Architecture (4 Marks)</p>	[4]	6	Apply
	<p>OR</p> <p>a) Elaborate the working of Kubernetes. Solution: Diagram with Explanation (4 Marks)</p> <p>b) Compare containers Vs. VMs. What happens if both are being used together to deploy applications? Solution: Comparison of containers Vs. VMs (4 Marks- 1 mark for each point) Explanation of impact if both are being used together to deploy applications (2 Marks)</p>	[6]	6	Apply
Q.6		[4]	6	Apply
		[6]	6	Evaluate