

PES University, Bengaluru

(Established under Karnataka Act 16 of 2013)

END SEMESTER ASSESSMENT (ESA) - May 2023

UE17CS352 - Cloud Computing		
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2.a. Explain Type 2 Hypervisor(Hosted Hypervisor).	(6.0 Marks)
2.b. Explain Shadow page table using neat diagram. What are usually for challenges in shadow page table	aced (8.0 Marks)
2.c. Explain Live migration process of a VM from one host to another	(6.0 Marks)
3.a. Explain lustre FS architecture using neat diagram	(8.0 Marks)

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3.b. Explain all 4 types of request routing with diagram	(12.0 Marks)
4.a. What is the purpose of leader election in distributed computing? Explain briefly bully algoritm and modified ring election	(10.0 Marks)
4.b. What is distributed locking? what are the advantages of it? Explain optimistic and pessimistic locks with neat diagram	(10.0 Marks)
5.a. What is a proxy server? Explain reverse and forward proxies in de benefits Also explain cloud bursting	tails with (10.0 Marks)

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5.b. Explain any 5 security design patterns in cloud computing	(10.0 Marks)

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