



Surprise Test
VII-SEMESTER (CSE Core, CSE AI)
Cloud-Computing (CSE_4063)

Date: 25/08/2025

Max Marks: 5

Duration: 15-minutes

Student name	Reg no.	Section	Semester

Q NO.	Question	Marks
Q1	<p>A popular online learning platform notices that its servers slow down whenever thousands of students attempt to watch live classes simultaneously.</p> <p>The technical team is considering two strategies:</p> <p>Option A: Upgrade the current server by increasing its memory and CPU capacity.</p> <p>Option B: Add multiple servers with the same configuration and place them behind a load balancer to handle incoming requests.</p> <p>Question:</p> <p>Identify which option improves performance by enhancing the power of a single machine, and which option improves performance by adding more machines to share the workload.</p> <p>If the platform expects unpredictable, globally distributed traffic surges during exams, which option would be more reliable, and why?</p> <p>Ans:</p>	5M

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