Winter 2025 OPERATING SYSTEMS

## CSSE 332 -- OPERATING SYSTEMS

## Multi-level Page Tables

	Name:
	points) Based on our discussion of a two-level page table with 16-bits adding $\Gamma$ Es, draw how the following address would be used to lookup the correspondences: $0x3D0B$ .
Make sure to	show your offset inside each page. Assume that the address of the first level dy provided in the appropriate register.

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 $636261605958575655545352515049484746454443424140393837363534333231302928272625242322212019181716151413121110 \ 9 \ 8 \ 7 \ 6 \ 5 \ 4 \ 3 \ 2 \ 1 \ 0 \ 1 \ 0$ 

Winter 2025 Operating Systems

		me we are dealing with 4 KB pages in RISC-V with the address breakdow
	-	<ul><li>2. Answer the following questions.</li><li>How many page table entries (PTEs) does each page of the page table contain</li></ul>
(a)	(8 points)	Tiow many page table entities (1 TEs) does each page of the page table contain
(b)	(5 points)	Given that, how wide if a PTE?
(c)	(5 points)	Describe the breakdown of a PTE into its corresponding constituents.
	on 5. (10 p	
	, –	
	, –	points) Please write down two <b>sentences</b> describing two new things that yo session.
	, –	
	, –	
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estic	on 6. (10 p	session.
estic	on 6. (10 p	session.  Soints) Please write down two things that you are still not very clear about, of
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