⚠ Students have either already taken or started taking this quiz, so take care when editing it. If you change any quiz questions in a significant way, you might want to consider re-grading students' quizzes who took the old version of the quiz.

Points 5 ✔ **Published** ⋮

<u>Details</u>   Questions

☑ Show question details

⋮⋮ **Question**   **1 pts**

You have a 32-bit address space with a 1KB page size. What will be the total number of pages?

swer

○ 2^{22}

○ 2^{20}

○ 2^{21}

○ Cannot be determined.

⋮⋮ **Question**   **1 pts**

You have a 32-bit address space with a 1KB page size. What will be the total size of page table if the page table takes 4 bytes per page table entry?

swer

○ $2^{22} * 4$

○ $2^{20} * 4$

○ $2^{21} * 4$

○ Cannot be determined.

⋮⋮ **Question**   **1 pts**

Assuming the following 32-bit virtual address which is given in binary as follows:

11000000000000000111000000000010

The first two MSB are for the segment, the next 18bits left to right are for VPN and the last 12-bits are for offset.

What is the value of VPN in decimal?

swer

○ 7

○ 8

○ 111

○ Cannot be determined.

⋮⋮ **Question**   **1 pts**

Assuming the following 32-bit virtual address which is given in binary as follows:

11000000000000000111000001010110

The first two MSB are for the segment, the next 18bits left to right are for VPN and the last 12-bits are for offset.

What is the value of the offset in decimal?

iswer

○ 86

○ 68

○ 96

○ Cannot be determined.

⠿ **Question**   **1 pts**

What is the use of the present bit in the PTE?

iswer

○ Tells if this page is in physical memory or on disk

○ Tells if the page is full.

○ Tells if the page is empty.

○ None of the options.

＋ **New question**   ＋ **New question group**   🔍 **Find questions**

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