edX

CornellX: ENGRI1210x The Computing Technology Inside Your Smartphone

👤 Karen West ▼

Courseware **Course Info** **Discussion** **Wiki** **Progress** **Discussion Guidelines** **Resources** **Exploring Engineering**

Syllabus **How to Use Jade**

Help

INPUT AND OUTPUT

2:56 / 2:56		**1.0x**

Download transcript | .txt

Show Discussion

✎ New Post

I/O CONTROLLER

Help

5:28 / 5:28   **1.0x**

Download transcript   .txt

Show Discussion   ✎   New Post

1. CHECK YOUR UNDERSTANDING (1/1 point)

Which of the following is **NOT** a true statement regarding memory-mapped I/O?

- ◯ Load and Store instructions are used to read or write an I/O Controller's Control/Status and Data registers.
- ◯ Some of the memory addresses are assigned to I/O registers.
- ⦿ The instruction set must have special I/O instructions to support memory-mapped I/O.   ✔
- ◯ The hardware must recognize whether an address is associated with memory or an I/O device.

EXPLANATION

Memory-mapped I/O devotes a portion of the memory addresses to I/O devices. Therefore, Load and Store instructions can be used, and the hardware must recognize when an address pertains to memory or an I/O device. Because normal Load and Store instructions are used, no special instructions are needed.

Final Check **Save** Hide Answer   *You have used 1 of 2 submissions*

Show Discussion   New Post

Help

‹ ›

edX

EdX offers interactive online classes and MOOCs from the world's best universities. Online courses from MITx, HarvardX, BerkeleyX, UTx and many other universities. Topics include biology, business, chemistry, computer science, economics, finance, electronics, engineering, food and nutrition, history, humanities, law, literature, math, medicine, music, philosophy, physics, science, statistics and more. EdX is a non-profit online initiative created by founding partners Harvard and MIT.

© 2015 edX Inc.

EdX, Open edX, and the edX and Open edX logos are registered trademarks or trademarks of edX Inc.

Terms of Service and Honor Code

Privacy Policy (Revised 10/22/2014)

POWERED BY
OPEN**edX**

About edX

About

News

Contact

FAQ

edX Blog

Donate to edX

Jobs at edX

Follow Us

Facebook

Twitter

LinkedIn

Google+

Tumblr

Meetup

Reddit

Youtube