

KING FAHD UNIVERSITY OF PETROLEUM AND MINERALS
COLLEGE OF COMPUTER SCIENCE AND ENGINEERING
COMPUTER ENGINEERING DEPARTMENT
COE 205 – (Term 061)
Quiz #2

Q.1 (20 points)

The AX register is completely independent from the EAX register

- A. True
- B. False**

Q.2 (20 points)

Let's assume that register ECX contains the following 32-bits number represented in hexadecimal: B876508Eh. The programmer writes the byte 6Ah into register CH. What will be the new value of ECX?

- A. B86A508Eh
- B. B876506Ah
- C. B8766A8Eh**

Q.3 (20 points)

The register ESI has 8-bits sub-registers?

- A. True
- B. False**

Q.4 (20 points)

Segmentation is a method that enables the processor to access more memory

- A. Without having to use large size addresses (size in bits)**
- B. Without accessing the total memory address space
- C. Without the need to save the total memory space

Q.5 (20 points)

Pentium processors support several modes of operations. What is the difference between these modes?

- A. Clock speed
- B. Memory models and implementation of legacy processors**
- C. Memory space size