



Princess Sumaya University for Technology

Computer Engineering Dept.

Dr. B. Kahhaleh

22342 Computer Organization & Assembly Language

Sun 26 Feb 2012

Quiz 1 (5 Minutes)

Student Name:

ID:

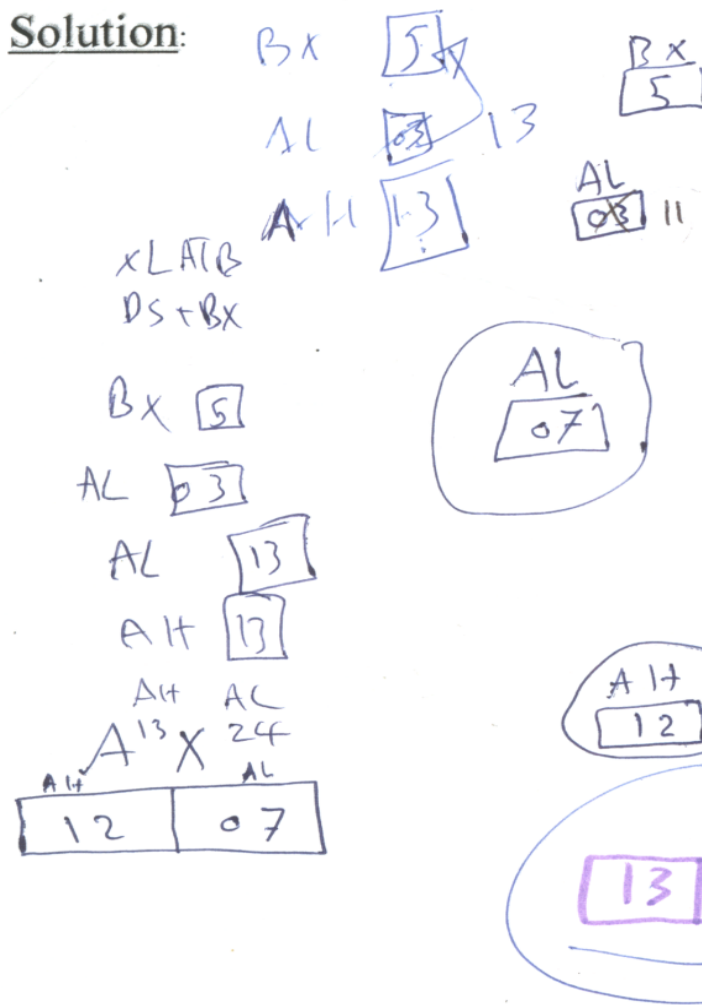
Student Serial Number (1 – 34):

Question: All values are in hexadecimal.

(2 Points) Determine the value of AX after executing the following program:

```
MOV    BX, 5
MOV    AL, [0001]
XLATB
MOV    AH, AL
XLATB
```

Solution:



		Memory
AX	0	40000 01
BX	05	40001 03
CX	0	40002 05
DX	0	40003 07
		40004 09
SI	0	40005 10
DI	0	40006 11
BP	0	40007 12
		40008 13
CS	4000	40009 14
DS	4000	4000A 15
ES	4000	4000B 02
SS	4000	4000C 04
		4000D 06
		4000E 08
		4000F 0A
		40010 11
		40011 12
		40012 13
		40013 14
		40014 15
		40015 21
		40016 22
		40017 23
		40018 24
		40019 25
		4001A 31
		4001B 32
		4001C 33
		4001D 34
		4001E 35
		4001F 36