

Quiz 1

رقم الشعبة: 5

رقم التسجيل:

الاسم:

**Instructions:** Time 12 minutes. Closed books and notes. No calculators. Please answer all problems in the space provided. **No questions are allowed. Every problem 2 marks.**

<Good Luck>

Q. State six features of the PIC microcontrollers.

<u>1. Low-cost</u>	<u>4. Harvard architecture</u>
<u>2. Self-contained</u>	<u>5. Pipelined</u>
<u>3. 8-bit</u>	<u>6. RISC</u>

7. Single accumulator

8. Fixed reset and interrupt vectors

Q. What is the main difference between PIC 16C84 and PIC 16F84?

**The 16F84's program memory is Flash instead of EPROM.**

Q. What is the main difference between EEPROM and Flash memories?

**EPROM can be erased by exposing it to intense ultraviolet light. This gives the trapped electrons the energy to leave the floating gate. Then it can be reprogrammed.**

Q. What is the effect of the following instruction?

```
movlw 05
```

**The contents of the working register will be 05**

Q. How does the following instruction affect subsequent instructions?

```
bsf status, RP0
```

**They will access Memory Bank 1**

Q. What is the contents of the working register after executing the following sequence of instructions?

```
movlw 08
```

```
movwf 20
```

```
btfsc 20, 3
```

```
movlw 05
```

**The contents of the working register will be 05**