

**Microprocessor Systems and Interfacing (CPE342)**  
**Bachelors of Science in Computer Engineering**

Quiz No. \_ONE\_

FA22-BCE-B

<b>Name</b>	
<b>Registration No.</b>	
<b>Date</b>	

**Total Marks: 10**

**Time: 15 Minutes**

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Estimate the contents of registers given in table after the complete execution of 8086-88 assembly language piece of code given below.

```
MOV    AX, SP
MOV    SI, 4321H
ADD    CX, BX
MOV    CL, 01H
ADC    AX, CX
DEC    DL
SUB    DX, SI
MOV    SI, 968
SBB    BX, SI
MOV    DI, 1024
ADD    DI, SI
INC    SI
```

**Solution:**

Write here the contents of the registers in HEX and Decimal.

Register	AX	CH	DL	DI	SI	BX
Hex	Unknown	Unknown	Unknown	7C8	3C9	Unknown
Decimal	Unknown	Unknown	Unknown	1992	969	Unknown