Proude To Be Virtulian MOAAZ SIDDIQ	CS401 Assembly Language Solved MCQS From Midterm Papers		May 14,2011		
MC100401285	Moaaz.pk@gmail.com	MC100401285@gmail.com	PSMD01(IEMS)		
MIDTERM FALL 2011 CS401 Assembly Language					
Question No:1 (Marks:         The first instruction of "C         ▶ 0x0010         ▶ 0x0100         ▶ 0x1000         ▶ 0x0000	COM" file must be at offset:				
Question No:2 ( Marks: The execution of the instr color of the screen will beBlack(Page)WhiteRedBlue	ruction "mov word [ES : 0], (	0x0741" will print character "A"	on screen , background		
<ul> <li>▶ 12</li> <li>▶ 14</li> <li>▶ 16 (Page 15)</li> <li>▶ 18</li> <li>Question No:4 (Marks:</li> </ul>	e consists of registe <b>1</b> ) - Please choose one ruction "mov word [ES: 0], 0	er. ex0741" will print "A" on the scre	een, color of the		
			The second second		

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# Question No:5 (Marks: 1) - Please choose one

One screen location corresponds to a

►Byte

► Word (Page 80)

Double byte

Double word

### Question No:6 (Marks: 1) - Please choose one

When an item is pushed on the decrementing stack, the top of the stack is

### ► First decremented and then element copied on to the stack

- First incremented and then element copied on to the stack
- Decremented after the element copied on to the stack
- ► Incremented after the element copied on to the stack

### Question No:7 (Marks: 1) - Please choose one

Each screen location corresponds to a word, the lower byte of this word contains

(Page 68)

### ► The character code

### (Page 81)

- The attribute byte
- ► The parameters
- ► The dimensions

### Question No:8 (Marks: 1) - Please choose one

if ax contains decimal -2 and BX contains decimal 2 then after the execution of instructions: CMP AX, BX ,JA label

### **Jump** will be taken

- ► Zero flag will set
- ► ZF will contain value -4
- ► Jump will not be taken

### Question No:9 (Marks: 1) - Please choose one

If D is "35" is shift to left 2 bits the new value

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### Question No:10 (Marks: 1) - Please choose one

When two 16bit numbers are added the answer can be 17 bits long, this extra bit that won't fit in the target register is placed in the where it can be used and tested

► carry flag (Page 16)

- ► Parity Flag
- Auxiliary Carry
- ► Zero Flag

### Question No: 11 (Marks: 1) - Please choose one

Only instructions allow moving data from memory to memory.

- ► string (Page 29)
- ► word
- ▶ indirect
- ► stack

#### Question No:12 (Marks: 1) - Please choose one

When a 16 bit number is divided by an 8 bit number, the quotient will be in

- ► AL (Page 85)
- ► AX
- ► AH
- ► DX

### Question No:13 (Marks: 1) - Please choose one

Which bit of the attributes byte represents the red component of background color ?

- ▶ 3
- ▶ 4
- ► 5 ► 6

(Page 81)

### Question No:14 (Marks: 1) - Please choose one

|0|-->|1|1|0|1|0|0|0|-->|C| is a example of \_\_\_\_\_ ► Shl ► sar ► Shr (Page 52) ► Sal

### Question No:15 (Marks: 1) - Please choose one

allow changing specific processor behaviors and are used to play with it.

### Special Instructions (Page 14)

- ► Data Movement Instructions
- ► Program Control Instructions
- ► Arithmetic and Logic Instructions

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#### Question No:16 (Marks: 1) - Please choose one

8088 is a 16bit processor with its accumulator and all registers of \_\_\_\_\_

► 32 bits

- ►6 bits
- ▶ 16 bits (Page 14)

► 64 bits

### Question No:17 (Marks: 1) - Please choose one

decrements SP (the stack pointer) by two and then transfers a word from the source operand to the top of stack **PUSH** (Page 71)

- ► POP
- ► CALL
- ► RET

# MIDTERM 2011 CS401 Assembly Language

#### 1. In instruction ADC the operands can be

- o Two register only
- o Two register and one memory location
- CF and two other operands (Page 57)
- o ZF and two other operands

#### 2. After the execution of instruction "RET"

- SP is incremented by 2 (Page 66)
  - SP is decremented by 2
  - SP is incremented by 1
- SP is decremented by 1

### 3. The extended ASCII has

- o 64 characters
- 128 characters

(Page 79)

- o 256 characters
- o 502 characters

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#### 4. The second byte in the word designated for screen location holds

- The dimension of the screen
- Character position on the screen
- Character color on the screen (Page 81)
- ACSII code of the character

#### 5. REP will always

- o Incremented CX by 1
- Incremented CX by 2
- Decremented CX by 1 (Page 92)
- Decremented CX by 2

#### 6. The routine that executes in response to an INT instruction is called

- ISR (Page 103)
- o IRS

0

- o ISP
- o IRT

#### 7. The iAPX888 architecture consists of \_\_\_\_\_ register.

- o 12
- o 14
- 16 (Page 15) Rep
- o 18

### 8. In the instruction "CMP AX, BX" the contents of

- AX are changed
- BX are changed
- CX are changed
- Flag register are changed (Page 39)

#### 9. All the addressing mechanisms iniAPX88 return a number called \_\_\_\_\_\_ address.

- Effective (Page 33)
- o faulty
- o indirect
- o direct

### 10. The execution of the instruction "mov word [ES: DI], 0x0720"

### • will clear next character on screen

(Page 82)

- will print "20" at top left of the screen
- will print "20" at top right of the screen
- will move DI at location 0720 on the screen

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#### 11. "mov byte [num1],5" is \_\_\_\_\_ instruction.

- o legal (Page 30)
- o illegal
- o stack based
- memory indirect

### 12. MOV instruction transfers a byte or word from which of the following source location.

- o DS:DI
- o ES:SI
- o ES:DI
- o DS:SI (Page 92)
- 13. The execution of the instruction "mov word [ES: 0], 0x0741" will print "A" on the screen, color of the character will be
  - o Black
  - White (Page 81) rep
  - o Red
  - o Blue

14. If AX contains FFFFh, then after execution of instruction "SAL ax, 3", the result will be

- o -3
- o +3
- o -8
- o +8

15. If the decimal number "35" is shifted by two bit to left, the new value will be

- o 35
- o 70
- $\circ$  **140** (00100011 = 35, 10001100=140)
- o 17

### 16. While using STOBS, if DF=1 then

- The value of SI will be incremented by one
- The value of SI will be incremented by two
- The value of SI will be decremented by one
- The value of SI will be decremented by two

#### 17. After the execution of STOSW, the CX will be

- o Decremented by 1
- Decremented by 2 (Page 92)
- Incremented by 1
- o Incremented by 2

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click here for detail

#### 18. The memory address always move from

- processor to memory
- memory to processor
- memory to peripheral
- peripheral to processor

### 19. An offset alone is not complete without

- Segment (Page 34)
- o code label
- o index register
- o data label

#### 20. Code Segment is associated to \_\_\_\_\_ register by default.

- **IP** (Page 34)
- o SS

0

- o BP
- o CX

# MIDTERM SPRING 2011 CS401 Assembly Language

# **Question No:1** (Marks: 1) - Please choose one After the execution of SAR instruction:

- ► MSB remain as it is
- ► MSB Will change
- ► MSB move to left
- ► No change will occur.

(Page 52)

**Question No:2** (Marks: 1) - Please choose one ASCII stands for \_\_\_\_\_\_. The screen is two dimensional space having:

► 25 Rows and 25 Columns

- ► 25 Rows and 80 Columns
- ► 80 Rows and 80 Columns
- ► 80 Rows and 25 Columns

(Page 80)

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### Question No:3 (Marks: 1) - Please choose one

In the Rotate Right Operation every bit moves one position to right and the bit dropped from the right is inserted at the left and:

► Dropped in CF (Page 53)

▶ moves to AL

► Don't go anywhere.

#### Question No:4 (Marks: 1) - Please choose one

\_\_\_\_ of the following flags will be affected by MOVSB?

- **DF** <u>Click here for detail</u>
- ►ZF
- ► PF
- ► No effect on flags.

#### Question No:5 (Marks: 1) - Please choose one

The iAPX88 processor supports \_\_\_\_\_\_ modes of memory access.

- ►5 ►6
- ►7 (Page 35)
- ▶8

# Midterm Spring 2010 CS401 Assembly Language

### Question No:1 (Marks: 1) - Please choose one

Stack is a \_\_\_\_\_ that behaves in a first in last out manner.

- Program
  data structure
- (Page 67)

- ► Heap
- ► None of the Given

### Question No:2 (Marks: 1) - Please choose one

The physical address of the stack is obtained by

- ► SS:SI combination
- ► SS:SP combination (Page 68)
- ► ES:BP combination
- ES:SP combination

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### Question No:3 (Marks: 1) - Please choose one

Foreground and background parameter will be

- ► 32bits
- ► 16bits
- ► 8bits
- ► 4bits

#### Question No:4 (Marks: 1) - Please choose one

The clear screen operation initialize whole block of memory ▶0741

- ▶0417
- ▶0714
- ▶0174,0720

(Page 91)

#### Question No:5 (Marks: 1) - Please choose one

In STOSB instruction, when DF is Set, SI is

- ► Incremented by 1
- ► Incremented by 2
- Decremented by 1 Click here for detail
- ► Decremented by 2

#### Question No:6 (Marks: 1) - Please choose one

Assembly language is:

► Low-level programming language

Click here for detail

- ► High-level programming language
- Also known as machine language
- ► Not considered closer to the computer

### Question No:7 (Marks: 1) - Please choose one

A 32 Bit processor has accumulator of ------

- ►8 bit
- ▶ 16 bit
- ► 32 bit (Page 12)
- ► 64 bit

### Question No:8 (Marks: 1) - Please choose one

To transfer control back the RET instruction take

(Page 72) (Not sure)

- ►1 argument
- ►1 argument
- ► 3 arguments
- No arguments

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### **Question No:9** (Marks: 1) - Please choose one RET is executed, it recovers the values from

- ► Register
- Stack (Page 71)
- ► Data segment
- ► Code segment

#### Question No:10 (Marks: 1) - Please choose one

To convert any digit to its ASCII representation

### Add 0x30 in the digit

- ► Subtract 0x30 from the digit
- Add 0x61 in the digit
- Subtract 0x61 from the digit

### Question No:11 (Marks: 1) - Please choose one

The prevalent convention in most high level languages is stack clearing by the

(Page 80)

- CallerCallee
- (Page 74)
- ► RET
- ► Stack

### Question No:12 (Marks: 1) - Please choose one

After execution of JCXZ instruction CX will changed with flag affect.

- ► CF
- ►OF
- ► DF
- ► None of Above (Page 43)

### Question No:13 (Marks: 1) - Please choose one

Execution of the instruction "mov word [ES : 0], 0x0741" will print

- "A" appear on the top left of screen (Page 81)
- ► "A" appear on the top right of screen
- ► "A" appear on the center of screen
- "A" appear on the bottom left of screen

### Question No:14 (Marks: 1) - Please choose one

if contains decimal -2 and BX contains decimal 2 then after the execution of instructions: CMP AX, BX JA label

► Jump will be taken

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### ► Zero flag will set

► ZF will contain value -4

► Jump will not be taken

#### Question No:15 (Marks: 1) - Please choose one

Which of the following options contain the set of instructions to open a window to the video memory?

- ► mov AX, 0xb008
- mov ES, AX

  mov AX, 0xb800
- mov ES, AX

(Page 81) rep

- mov AX, 0x8b00 mov ES, AX
- ► mov AX, 0x800b mov ES, AX

### Question No:16 (Marks: 1) - Please choose one

If D is "35" is shift to left 2 bits the new value

- ▶35
- ▶70
- ▶140
- ▶17

### Question No:17 (Marks: 1) - Please choose one

Execution of the instruction "mov word [ES:0], 0x1230" will print the character color will

- ► Green
- ► White
- ►Red
- ▶ Black

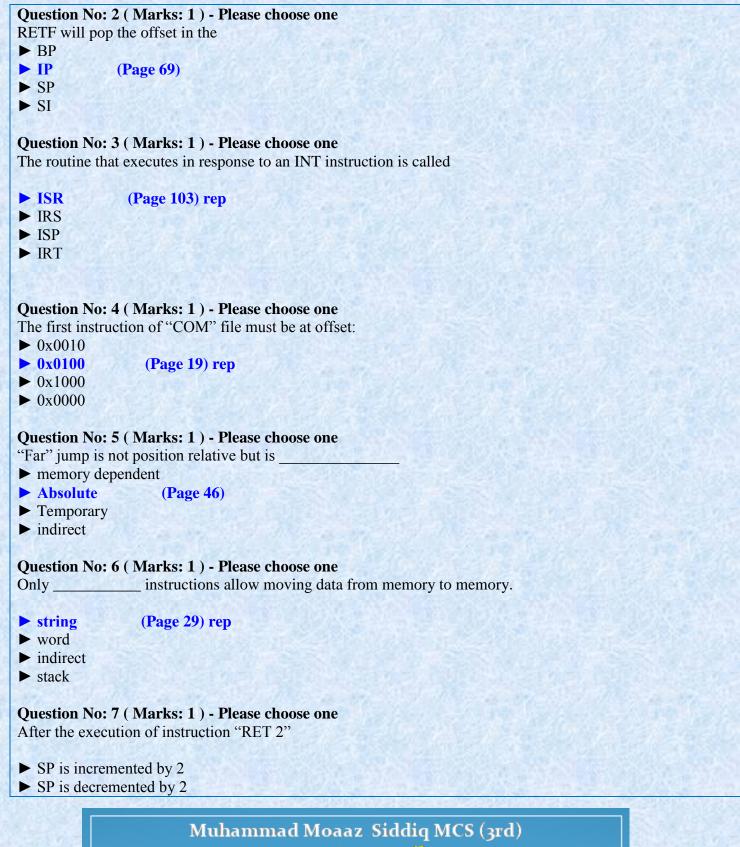
# MIDTERM EXAMINATION Spring 2010

#### **Question No: 1 (Marks: 1) - Please choose one** After the execution of SAR instruction

- ► The msb is replaced by a 0
- ► The msb is replaced by 1
- ► The msb retains its original value
- ► The msb is replaced by the value of CF (Page 52)

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SP is incremented by 4 (Page 66)
SP is decremented by 4

### Question No: 8 (Marks: 1) - Please choose one

DIV instruction has

Two forms

(Page 85)

- ► Three forms
- ► Four forms
- ► Five forms

#### Question No: 9 (Marks: 1) - Please choose one

(Page 85)

When the operand of DIV instruction is of 16 bits then implied dividend will be of

► 8 bits

▶ 16 bits

- ► 32 bits
- ▶ 64 bits

### Question No: 10 (Marks: 1) - Please choose one

After the execution of MOVS instruction which of the following registers are updated

(Page 68)

- ► SI only
- ► DI only
- ► SI and DI only (Page 92)
- ► SI, DI and BP only

### Question No: 11 (Marks: 1) - Please choose one

In 8088 architecture, whenever an element is pushed on the stack

- ► SP is decremented by 1
- ► SP is decremented by 2
- ► SP is decremented by 3
- ► SP is decremented by 4

### Question No: 12 (Marks: 1) - Please choose one

When a very large number is divided by very small number so that the quotient is larger than the space provided, this is called

► Divide logical error

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### Divide overflow error

### (Page 85)

Divide syntax error

► An illegal instruction

#### Ouestion No: 13 (Marks: 1) - Please choose one

In the word designated for one screen location, the higher address contains

- ► The character code
- ► The attribute byte
- ► The parameters

(Page 81)

- ► The dimensions

#### Question No: 14 (Marks: 1) - Please choose one

Which of the following options contain the set of instructions to open a window to the video memory? ▶ mov AX, 0xb008

mov ES, AX

#### ▶ mov AX. 0xb800

#### mov ES, AX (Page 81) rep

▶ mov AX, 0x8b00 mov ES, AX ▶ mov AX, 0x800b mov ES. AX

#### Question No: 15 (Marks: 1) - Please choose one

In a video memory, each screen location corresponds to

- ► One byte
- Two bytes (Page 80)
- ► Four bytes
- ► Eight bytes

#### Question No: 16 (Marks: 1) - Please choose one

(Page 81) rep

The execution of the instruction "mov word [ES : 0], 0x0741" will print character "A" on screen , background color of the screen will be

- ► Black
- ► White
- ► Red
- ► Blue

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# MIDTERM Fall 2011 CS401 Assembly Language

#### Question No:1 (Marks: 1) - Please choose one

One screen location corresponds to a

ByteWord

#### (Page 80) rep

- Double byte
- ► Double word

### Question No:2 (Marks: 1) - Please choose one

- After the execution of "PUSH AX" statement
- AX register will reside on the stack
- A copy of AX will go on the stack (Page 69)
- ► The value of AX disappear after moving on stack
- ► Stack will send an acceptance message

### Question No:3 (Marks: 1) - Please choose one

physical address of the stack is obtained by

- ► SS:SP combination
- ► SS:SI combination
- ► SS:SP combination

### (Page 68) rep

► ES:BP combination

### ► ES:SP combination

### Question No:4 (Marks: 1) - Please choose one

If the address of memory location Num1 is 0117 and its content is 0005 then after execution of the instruction "mov bx, Num1" bx will contain

► 0005 ► 0117

### (Page 30)

- ►Num1
- ▶1701

**Question No:5 ( Marks: 1 ) - Please choose one** In STOS instruction, the implied source will always be in

#### ► AL or AX registers

#### (Page 92)

- ► DL or DX registers
- ►BL or BX registers
- ► CL or CX registers

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### Question No:6 (Marks: 1) - Please choose one

The shift logical right operation inserts A zero at right

A zero at left A one at right A one at right (Page 52)

#### Question No:7 (Marks: 1) - Please choose one

REP will always Increment CX by 1 Increment CX by 2 Decrement CX by 1 Decrement CX by 2

(Page 92) rep

#### Question No:8 (Marks: 1) - Please choose one

When an item is pushed on the decrementing stack, the top of the stack is

- First decremented and then element copied on to the stack
- First incremented and then element copied on to the stack
- Decremented after the element copied on to the stack
- ► Incremented after the element copied on to the stack

#### Question No:9 (Marks: 1) - Please choose one

assembly the CX register is used normally as a \_\_\_\_\_register.

- ► source
- ► counter (Page 32)
- ▶index
- ▶ pointer

Which is the unidirectional bus ? (I) Control Bus (II) Data Bus (III) Address Bus ▶ I only ▶ II only ▶ III only ▶ III only ▶ III only

► I and II only

**Question No:10 ( Marks: 1 ) - Please choose one** The basic function of SCAS instruction is to

Compare (Page 92)

► Scan

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(Page 68) rep

### ► Sort ► Move data Question No:11 (Marks: 1) - Please choose one register holds the address of next instruction is to be executed ► Base pointer ► Code segment ► Source index ▶ Program counter (Page 13) Question No:12 (Marks: 1) - Please choose one JC and JNC test the flag. ► carry (Page 41) ▶ parity

- ▶ zero
- ►sign

### Question No:13 (Marks: 1) - Please choose one

After the execution of REP instruction CX will be decremented then which of the following flags will be affected?

- ► CF
- ► OF
- ► DF
- ► No flags will be affected

(Page 93)

### Question No:14 (Marks: 1) - Please choose one

In string manipulation whenever an instruction needs a memory source, which of the following will hold the pointer to it?

- ►ES: DI
- ►ES: BP
- ►DS:BP

►DS:SI (Page 91)

Question No:15 (Marks: 1) - Please choose one which bit sets the character "blinking" on the screen?

▶5	
▶6	
▶7	(Page 7)
▶8	NELAM ED

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### Question No:16 (Marks: 1) - Please choose one

If we want to divide a signed number by 2, this operation can better be accomplished by  $\triangleright$  SHR

- ► SAR
- (Page 52)
- ► SHL
- ► SAL

### Question No:17 (Marks: 1) - Please choose one

After the execution of STOSB, the CX wil be.....

- ► Incremented by 1
- ► Incremented by 2
- ► Decremented by 1 (Page 92)
- Decremented by 2

#### Question No:18 (Marks: 1) - Please choose one

Each screen location corresponds to a word, the lower byte of this word contains \_\_\_\_\_

#### ► The character code

#### (Page 81) rep

- ► The attribute byte
- ► The parameters
- ► The dimensions

#### Question No:19 (Marks: 1) - Please choose one

In a video memory, each screen location corresponds to

- ► One byte
- ► Two bytes (Page 86)
- ► Four bytes
- ► Eight bytes

# MIDTERM EXAMINATION Spring 2010

### Question No:1 (Marks: 1) - Please choose one

Execution of the instruction "mov word [ES : 0], 0x0741" will print

### "A" appear on the top left of screen

(Page 81) rep

- "A" appear on the top right of screen
  "A" appear on the center of screen
- ► "A" appear on the bottom left of screen

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### Question No:2 (Marks: 1) - Please choose one

### After the execution of "PUSH AX" statement

► AX register will reside on the stack (Page 69) rep

- A copy of AX will go on the stack
- ► The value of AX disappear after moving on stack
- ► Stack will send an acceptance message

### **Question No:3 (Marks: 1) - Please choose one**

If D is "35" is shift to left 2 bits the new value

- ▶ 35
- ▶ 70
- ▶ 140
- ▶ 17

#### **Question No:4 (Marks: 1) - Please choose one**

When an item is pushed on the decrementing stack, the top of the stack is

- ▶ First decremented and then element copied on to the stack
- First incremented and then element copied on to the stack
- Decremented after the element copied on to the stack
- ► Incremented after the element copied on to the stack

### **Question No:5 (Marks: 1) - Please choose one**

After the execution of REP instruction CX will be decremented then which of the following flags will be affected?

- ► CF
- ► OF
- ► DF
- ► No flags will be affected

#### (Page 93) rep

### **Question No:6 (Marks: 1) - Please choose one**

In a video memory, each screen location corresponds to

- ► One byte
- ► Two bytes (Page 66)
- ► Four bytes
- ► Eight bytes

### Question No:7 (Marks: 1) - Please choose one shifting the -15 two bit sAR

- ▶-7
- -8
- ▶7
- ▶8

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(Page 68) rep

# Question No:8 (Marks: 1) - Please choose one mov ax,5 has ► 1 operand ► 2 opeand (Page 25) ► 3 operand ► 4 opeand MIDTERM EXAMINATION Spring 2010 Question No: 1 (Marks: 1) - Please choose one The physical address of the stack is obtained by ► SS:SP combination ► SS·SI combination ► SS:SP combination (Page 68) rep ► ES:BP combination ► ES:SP combination Question No: 2 (Marks: 1) - Please choose one After the execution of instruction "RET" ► SP is incremented by 2 ► SP is incremented by 2 (Page 66) rep ► SP is decremented by 2 ► SP is incremented by 1 ► SP is decremented by 1 Question No: 3 (Marks: 1) - Please choose one The second byte in the word designated for one screen location holds Character color on the screen ► The dimensions of the screen Character position on the screen Character color on the screen (Page 81) rep ► ASCII code of the character

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Question No: 4 (Marks: 1) - Please choose one **REP** will always

- ► Increment CX by 1 ► Increment CX by 2 Decrement CX by 1 (Page 92) ► Decrement CX by 2 Question No: 5 (Marks: 1) - Please choose one The basic function of SCAS instruction is to ► Compare (Page 92) rep

  - ► Scan

- ► Sort
- ► Move data

Question No: 6 (Marks: 1) - Please choose one Index registers are used to store \_\_\_\_\_

- Data
- ► Intermediate result
- ► Address (Page 16)
- ► Both data and addresses

### Question No: 7 (Marks: 1) - Please choose one

work independently and individually The bits of the

- ▶ index register
- ► base register
- ► flags register

### (Page 12)

- ▶ accumulator

### Question No: 8 (Marks: 1) - Please choose one To convert any digit to its ASCII representation

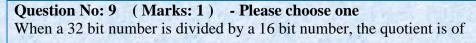
► Add 0x30 in the digit

#### (Page 80) rep

- ► Subtract 0x30 from the digit
- ► Add 0x61 in the digit
- ► Subtract 0x61 from the digit

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Question No: 10 (Marks: 1) - Please choose one

When a 16 bit number is divided by an 8 bit number, the quotient will be in



**Question No: 11 (Marks: 1) - Please choose one** Which mathematical operation is dominant during the execution of SCAS instruction

- ► Division
- Multiplication
- Addition
- Subtraction

# (Page 92)

Question No: 12 (Marks: 1) - Please choose one If AX contains decimal -2 and BX contains decimal 2 then after the execution of instructions: CMP AX, BX JA label

### Jump will be taken

- Zero flag will set
- ► ZF will contain value -4
- ► Jump will not be taken

**Question No: 13** (Marks: 1) - Please choose one The execution of the instruction "mov word [ES : 160], 0x1230" will print a character "0" on the screen at

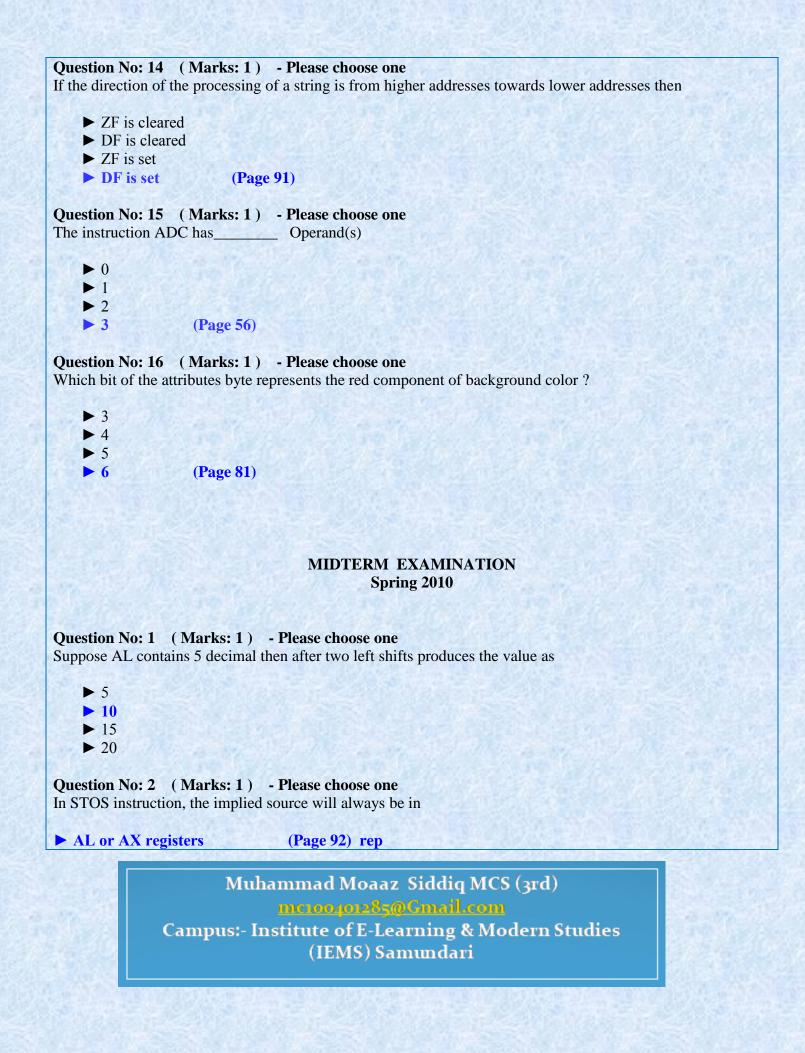
► Second column of first row

(Page 81)

- First column of second row
   Second column of second row
- ► First column of third row

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- ► DL or DX registers
- ► BL or BX registers

► CL or CX registers

# **Question No: 3** (Marks: 1) - Please choose one After the execution of STOSW the CX will be

- ► Decremented by 1
- Decremented by 2

(Page 92) rep

- Incremented by 1
- Incremented by 2

**Question No: 4** (Marks: 1) - Please choose one The basic function of SCAS instruction is to

► Compare

(Page 92) rep

► Scan

► Sort

► Move data

#### **Question No: 5** (Marks: 1) - Please choose one Which is the unidirectional bus ? (I) Control Bus

(I) Control Bus (II) Data Bus

- (III) Address Bus
- ▶ I only
- II only
  III only

(Page 9) rep

▶ I and II only

Question No: 6 (Marks: 1) - Please choose oneThe operation of CMP is to▶ Subtract Source from Destination▶ Subtract Destination to from Source

- Add 1 to the Destination
- ► Add Source and Destination

 Question No: 7 (Marks: 1)
 - Please choose one

 The registers IP, SP, BP, SI, DI, and BX all can contain a \_\_\_\_\_\_ offset.

 ▶ 8-bit

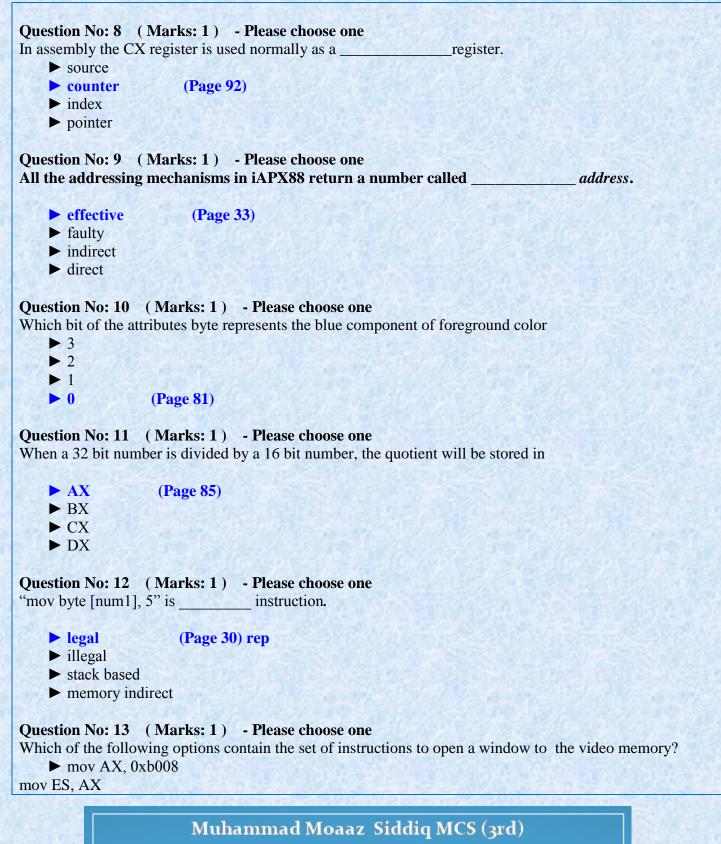
 ▶ 16-bit
 (Page 21)

 ▶ 32-bit

▶ 64-bit

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```
▶ mov AX, 0xb800
mov ES, AX (Page 81) rep
▶ mov AX, 0x8b00
mov ES, AX
▶ mov AX, 0x800b
mov ES, AX
```

### Question No: 14 (Marks: 1) - Please choose one

The execution of the instruction "mov word [ES : 0], 0x0741" will print character "A" on screen, color of the character will be

- ► Black
- ► White (Page 81) rep
- ► Red
- ► Blue

**Question No: 15 (Marks: 1) - Please choose one** Which of the following flags will be affected by MOVSW?

- ► DF
- ► PF
- ► ZF
- No effect on flags

### Question No: 16 (Marks: 1) - Please choose one

Which bit of the attributes byte represents the blue component of background color ?

- 3
  4
  5
  6
- (Page 81)
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#### Question No: 1 (Marks: 1) - Please choose one

To transfer control back the RET instruction take

- ►1 argument
- ► 1 argument
- 3 argumentsNo arguments
- (Page 72) rep

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### Question No: 2 (Marks: 1) - Please choose one

In STOSB instruction SI is decremented or incremented by

- ▶4
- ▶ 1 (Page 92) SI and DI both are Index registers
- ►2 ►3

### Question No: 3 (Marks: 1) - Please choose one

CMPS instruction subtracts the source location to the destination location. Destination location always lies in

- ►DS:SI
- ►DS:DI
- ►ES:SI
- ►ES:DI

(Page 93)

### Question No: 4 (Marks: 1) - Please choose one

Regarding assembler, which statement is true:

### ► Assembler converts mnemonics to the corresponding OPCODE

(Page 13)

- ► Assembler converts OPCODE to the corresponding mnemonics
- Assembler executes the assembly code all at once
- Assembler executes the assembly code step by step

### Question No: 5 (Marks: 1) - Please choose one

If "BB" is the OPCODE of the instruction which states to "move a constant value to AX register", the hexadecimal representation (Using little Endian notation) of the instruction "Mov AX,336" ("150" in hexadecimal number system) will be:

- ▶0xBB0150
- ►0x5001BB
- ▶0x01BB50
- ▶ 0xBB5001 (Page 19)

### Question No: 6 (Marks: 1) - Please choose one

In the instruction MOV AX, 5 the number of operands are

1
2 (Page 25) rep
3
4

### Question No: 7 (Marks: 1) - Please choose one

The maximum parameters a subroutine can receive (with the help of registers) are

▶6

▶8

▶7

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▶9		-
-	on No: 8 ( Marks: 1 ) - Please choose one mbly the CX register is used normally as aregister.	
<ul> <li>► son</li> <li>► co</li> <li>► inco</li> <li>► po</li> </ul>	ter (Page 92) rep	
_	on No: 9 ( Marks: 1 ) - Please choose one addressing mechanisms in iAPX88 return a number called address.	
<ul> <li>▶ eff</li> <li>▶ fau</li> <li>▶ inc</li> <li>▶ din</li> </ul>	y ect	
	on No: 10 (Marks: 1) - Please choose one 16 bit number is divided by an 8 bit number, the dividend will be in	
<ul> <li>AX</li> <li>BX</li> <li>CX</li> <li>DX</li> </ul>	(Page 85)	
in Le ▶ wi ▶ wi	go into CF (Page 52)	
	come to the right most be always 1	
Supp	on No: 12 (Marks: 1) - Please choose one e the decimal number "35" after shifting its binary two bits to left, the new ecomes	

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### Question No: 13 (Marks: 1) - Please choose one

When divide overflow occurs processor will be interrupted this type of interrupt is called

Hardware interrupt <u>Click here for detail</u>

- ► Software interrupt
- Processor exception
- Logical interrupts

### Question No: 14 (Marks: 1) - Please choose one

Which mathematical operation is dominant during the execution of SCAS instruction

- ► Division
- ► Multiplication
- ► Addition
- Subtraction (Page 92) rep

### Question No: 15 (Marks: 1) - Please choose one

After the execution of REP instruction CX will be decremented then which of the following flags will be affected?

- ► CF
- ►OF
- ► DF
- ► No flags will be affected

#### (Page 93) rep

### Question No: 16 (Marks: 1) - Please choose one

is one of the reasons due to which string instructions are used in 8088

(Page 91)

- ► Efficiency and accuracy
- ► Reduction in code size and accuracy
- ► Reduction in code size and speed
- ► Reduction in code size and efficiency

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