

DOWNLOAD MIDTERM

PAST PAPERS BY WAQAR SIDDHU

More in PDF From

VU Answer

Get All Solutions.



The assembly instruction to put the value of AX on the stack is

Answer (Please select your correct option)



PUSH AX

correct



Mov Stack, AX



ADD AX



SEND AX

Made By: Waqar Siddhu



Which bit of the attributes byte represents the red component of foreground color

Answer (Please select your correct option)

☐ 5

☐ 4

☐ 3

☒ 2

correct

Made By: Waqar Siddhu



The clear screen operation initializes whole block of video memory to

Answer (Please select your correct option)



0417



0741



0714



0174

Made By: Waqar Siddhu



In the execution of the instruction "REP STOSB" STOSB will repeat itself

Answer (Please select your correct option)

☐

AX times

☐

BX times

☐

CX times

☐

DX times

correct

Made By: Waqar Siddhu



By executing which of the following instruction, the value in AX register becomes double of previously stored value ?

Answer (Please select your correct option)



Shl AX , 1

correct



Shr AX, 1



NOT AX



AND AX, 0xFFFF

Made By: Waqar Siddhu



In the statement "Num1: dw 5", 5 is stored in memory as (on Intel-based machines) :

Answer (Please select your correct option)

☐ 0005

☐ 0500

☐ 5

☐ 005

correct

Made By: Waqar Siddhu



In the instruction "CMP AX,BX" the contents of

Answer (Please select your correct option)



AX are changed



BX are changed



CX are changed



Flags register are changed

correct

Made By: Waqar Siddhu



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

Answer (Please select your correct option)

☐ 6

☐ 7

correct

☐ 8

☐ 9

Made By: Waqar Siddhu



To convert any digit to its ASCII representation

Answer (Please select your correct option)



Add 0x30 in the digit

correct



Subtract 0x30 from the digit



Add 0x61 in the digit



Subtract 0x61 from the digit

Made By: Waqar Siddhu



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

Answer (Please select your correct option)



Divide logical error



Divide overflow error



Divide syntax error



An illegal instruction

correct

Made By: Waqar Siddhu



In the primitive form, the block processing instructions operate on _____ of memory at one time.

Answer (Please select your correct option)

☐ Whole block

☐ A single cell

☐ A single bit

☐ Whole segment

correct

Made By: Waqar Siddhu



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

Answer (Please select your correct option)



ES: DI



ES: BP



DS: BP



DS: SI

correct

Made By: Waqar Siddhu



In A4FB:4872 Segment:offset pair the physical address is (both segment and offset are in hexadecimal):

Answer (Please select your correct option)



A4FB0



04872



A9822

correct



A4872

Made By: Waqar Siddhu



Which bit of the Attribute Byte (counting from right to left, starting from 0) represents the BLUE component of foreground color?

Answer (Please select your correct option)

☐ 3

☐ 2

☐ 1

☐ 0

correct

Made By: Waqar Siddhu



Each screen location corresponds to _____ in a video memory.

Answer (Please select your correct option)

☐ One Byte

☐ Two Bytes

correct

☐ Four Bytes

☐ Eight Bytes

Made By: Waqar Siddhu



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

Answer (Please select your correct option)

☐ AX

☐ AL

correct

☐ AH

☐ DX

Made By: Waqar Siddhu



The IAPX88 processor supports _____ memory addressing modes.

Answer (Please select your correct option)

5



6



7



correct

8



Made By: Waqar Siddhu



The operation of _____ is to subtract the source operand from the destination operand.

Answer (Please select your correct option)



ADDX



JNC



CMP

correct



JNZ

Made By: Waqar Siddhu



If the decimal number "35" is shifted by two bits to left, the new value will be _____

Answer (Please select your correct option)

☐ 35

☐ 70

☐ 140

☐ 17

correct

Made By: Waqar Siddhu



While using STOSW, if DF=0 then

Answer (Please select your correct option)

☐

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

correct

Made By: Waqar Siddhu



If a rotate through carry right (RCR) instruction is applied on a 16 bit word, effectively there is

Answer (Please select your correct option)



16-bits rotation



1-bit rotation



17-bits rotation



8-bits rotation

correct

Made By: Waqar Siddhu



The near CALL instruction

Answer (Please select your correct option)

- ☐ push only segment on the stack
- ☐ push only offset on the stack
- ☐ push both segment and offset on the stack
- ☐ do not push any thing

correct

Made By: Waqar Siddhu



If AX=5, BX=5, CF and ZF are set, AF and DX contains zero then after the execution of instruction "ADC AX, BX", AX will contain the value:

Answer (Please select your correct option)

☐ 5

☐ 10

☒ 11

☐ 12

correct



For the execution of the instruction "DIV BL", the implied dividend will be stored in

Answer (Please select your correct option)

☐ AX

correct

☐ BX

☐ CX

☐ DX

Made By: Waqar Siddhu

MS DOS uses ____ display mode.

Answer (Please select your correct option)

☐ Character based

correct

☐ Graphics based

☐ Numeric based

☐ Console based

Made By: Waqar Siddhu



The execution of the instruction "mov word [ES : 160], 0x1230" will print character "0" on the screen , the color of the character "0" will be

Answer (Please select your correct option)

☐

White

☐

Red

☒

Green

correct

☐

Blue

Made By: Waqar Siddhu



In the primitive form, the block processing instructions operate on _____ of memory at one time.

Answer (Please select your correct option)

☐

Whole block

☐

A single cell

correct

☐

A single bit

☐

Whole segment

Made By: Waqar Siddhu



In STOSB instruction, SI is decremented or incremented by

Answer (Please select your correct option)

☐ 3

☐ 2

correct

☐ 1

☐ 4

Made By: Waqar Siddhu



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

Answer (Please select your correct option)



DS:SI



DS:DI



ES:SI



ES:DI

correct

Made By: Waqar Siddhu



If BL contains 00000101 then after a Single Right Shift, BL will contain

Answer (Please select your correct option)

☐

00000011

☒

00000010

correct

☐

10000011

☐

10000010

Made By: Waqar Siddhu



Each screen location corresponds to _____ in a video memory.

Answer (Please select your correct option)

☐ One Byte

☐ Two Bytes

correct

☐ Four Bytes

☐ Eight Bytes

ASCII Stands for _____

Answer (Please select your correct option)

☐

American Standard Code for Information Interchange

correct

☐

American Scientific Code for International Interchange

☐

American Standard Code for Intelligence Interchange

☐

American Scientific Code for Information Interchange

Made By: Waqar Siddhu



What is the ASCII code for 'A'?

Answer (Please select your correct option)



0x41

correct



0x40



0x31



0x30

Made By: Waqar Siddhu



386 processor is _____ compatible with iAPX88

Answer (Please select your correct option)



Upward



Downward



Cross



Not

correct

Made By: Waqar Siddhu



If AL contains -15 then what will be the decimal value of AL after “SAR AL, 1” is executed

Answer (Please select your correct option)

☐

-7

correct

☐

7

☐

-8

☐

8

Made By: Waqar Siddhu



Inside the computer signed numbers are represented in _____ complement notation.

Answer (Please select your correct option)

☐ two's

correct

☐ one's☐ zero's☐ fractional



The _____ flag plays the role of borrow during the subtraction operation.

Answer (Please select your correct option)

☐ carry

correct

☐ parity

☐ sign

☐ zero



The foreground and background color parameters are set by

Answer (Please select your correct option)

☐

32 bits

☐

16 bits

☐

8 bits

☐

4 bits

Made By: Waqar Siddhu



Which bit of the Attribute Byte (counting from right to left, starting from 0) represents the GREEN component of background color ?

Answer (Please select your correct option)

☐ 6☐ 3☐ 4☐ 5

correct

Made By: Waqar Siddhu



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

Answer (Please select your correct option)

☐

ES: DI

correct

☐

ES: BP

☐

DS:BP

☐

DS:SI

Made By: Waqar Siddhu



ASCII stands for

Answer (Please select your correct option)

☐

American Standard Code for Information Interchange

corect

☐

American Standard Code for Internet Information

☐

American Standard Code for Interchanging Information

☐

All Standard Codes for Information Interchange

Made By: Waqar Siddhu



The extended ASCII has

Answer (Please select your correct option)



64 characters



128 characters



256 characters



502 characters

correct

Made By: Waqar Siddhu



To reserve 8-bits in memory ____ directive is used.

Answer (Please select your correct option)

db



correct

dw



dn



dd



Made By: Waqar Siddhu



When the RET instruction is executed, it recovers the value of instruction pointer from the

Answer (Please select your correct option)

☐

Register

☐

Stack

☐

Data segment

☐

Code segment

correct

Made By: Waqar Siddhu



The execution of the instruction “mov word [ES : DI], 0x0720”

Answer (Please select your correct option)

☐

will clear next character on screen

correct

☐

will print “20” at top left of the screen

☐

will print “20” on top right of the screen

☐

will move DI at location 0720 on the screen

Made By: Waqar Siddhu



which bit sets the character "blinking" on the screen?

Answer (Please select your correct option)

☐ 5

☐ 6

☒ 7

☐ 8

correct

Made By: Waqar Siddhu



To transfer control back, the RET instruction takes

Answer (Please select your correct option)



2 arguments



3 arguments



4 arguments



No arguments

correct

Made By: Waqar Siddhu



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

Answer (Please select your correct option)



Quotient will take an extra byte to be stored



Quotient will not be stored anywhere and instruction will be skipped



An interrupt will be generated and the program will be terminated



Quotient will be divided again until it fits the space provided



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

Answer (Please select your correct option)



The character code

correct



The attribute byte



The parameters



The dimensions

Made By: Waqar Siddhu



The execution of the instruction “mov word [ES : 160], 0x1230” will print character “0” on the screen , the color of the character “0” will be

Answer (Please select your correct option)



White



Red



Green

correct



Blue

Made By: Waqar Siddhu



In A4FB:4872 Segment:offset pair the physical address is (both segment and offset are in hexadecimal):

Answer (Please select your correct option)

☐ A4FB0

☐ 04872

☐ A9822

☐ A4872

correct

Made By: Waqar Siddhu



Which of the following flags will be affected by MOVSB?

Answer (Please select your correct option)

☐ DF

☐ ZF

☐ PF

☐ No effect on flags

correct

Made By: Waqar Siddhu



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

Answer (Please select your correct option)

☐

The concatenation of DS and BX

☒

AX register

correct

☐

The concatenation of ES and AX

☐

The concatenation of DX and AX

Made By: Waqar Siddhu



The execution of the instruction “mov word [ES : 160], 0x1230” will print character “0” on the screen , the Background color will be

Answer (Please select your correct option)

☐ Black

☐ Red

☐ Green

☐ Blue

correct

Made By: Waqar Siddhu



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

Answer (Please select your correct option)

☐ AX

☐ AL

☐ AH

☐ DX

correct



The bits of the _____ work independently and individually.

Answer (Please select your correct option)

☐ Index register

☐ Base register

☐ Flags register

☐ Accumulator register

correct

Made By: Waqar Siddhu



All possible types of Jumps in assembly language are:

Answer (Please select your correct option)



short, far



short, near



short, near, far



short, near, far, long

correct

Made By: Waqar Siddhu



The first possible segment base value is _____.

Answer (Please select your correct option)

☐ 0000

correct

☐ 0001

☐ 0010

☐ 0100

Made By: Waqar Siddhu



Code Segment is associated to _____ register by default.

Answer (Please select your correct option)

IP



correct

SS



BP



CX



Made By: Waqar Siddhu



Which bit of the Attribute Byte (Counting from right to left, starting from 0) represents the GREEN component of foreground color?

Answer (Please select your correct option)

☐ 1

☐ 2

☐ 3

☐ 4



In instruction ADC the operands can be

Answer (Please select your correct option)

☐

Two registers only

☐

Two register and one memory location

☒

CF and two other operands

correct

☐

ZF and two other operands

Made By: Waqar Siddhu



The attribute byte has

Answer (Please select your correct option)

☐ 32 possible background colors

☐ 16 possible background colors

☒ 8 possible background colors

☐ 4 possible background colors

correct

Made By: Waqar Siddhu



Memory cell width refers to _____

Answer (Please select your correct option)

☐ Number of bits in a cell

correct

☐ The maximum value that can be stored in a cell including sign-bit

☐ The maximum value that can be stored in a cell excluding sign-bit

☐ Address of that cell



Which of the following is true about Interrupt Flag:

Answer (Please select your correct option)

☐ It tells whether processor can be interrupted from outside or not

correct

☐ It tells whether processor has interrupted or not

☐ It is cleared when an interrupt occurs from outside

☐ It is set when processor wants to generate an interrupt

Made By: Waqar Siddhu



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

Answer (Please select your correct option)

8 bits



correct

16 bits



32 bits



64 bits



Made By: Waqar Siddhu



If AX=5, BX=5, CF and ZF are set, AF and DX contains zero then after the execution of instruction “ ADC AX, BX” , AX will contain the value:

Answer (Please select your correct option)

5



10



11



correct

12



Made By: Waqar Siddhu



MS DOS uses ____ display mode.

Answer (Please select your correct option)



Character based

correct



Graphics based



Numeric based



Console based

Made By: Waqar Siddhu



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

Answer (Please select your correct option)



The character code

correct



The attribute byte



The parameters



The dimensions

Made By: Waqar Siddhu



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

Answer (Please select your correct option)

☐ `mov AX, 0xb008`
`mov ES, AX`

☐ `mov AX, 0xb800`
`mov ES, AX`

☐ `mov AX, 0x8b00`
`mov ES, AX`

☐ `mov AX, 0x800b`
`mov ES, AX`

correct



In STOSW instruction, SI is decremented or incremented by

Answer (Please select your correct option)

☐ 1

☒ 2

correct

☐ 3

☐ 4

Made By: Waqar Siddhu



8088 processor divides interrupts into ____ classes.

Answer (Please select your correct option)

☐ 2

correct

☐ 3

☐ 4

☐ 5

Made By: Waqar Siddhu



MOVS instruction transfers a byte or word from which of the following source locations.

Answer (Please select your correct option)

☐

ES:DI

☐

DS:DI

☐

ES:SI

☐

DS:SI

correct

Made By: Waqar Siddhu



Which of the following is the pair of register used to access memory in string instructions?

Answer (Please select your correct option)

☐

DI and BP

☐

DI and SI

☐

SI and BP

☐

DS and SI

correct

Made By: Waqar Siddhu



When the instruction "CMP AX,BX" executes and after execution ZF is set, it indicates that

Answer (Please select your correct option)

☐

BX is greater

☐

Both AX and BX are equal

☐

ZF has no relation with CMP

☐

AX is greater

correct

Made By: Waqar Siddhu



Which Register(s) is/are changed during execution of the CALL instruction?

Answer (Please select your correct option)



IP only



IP and SP only



SP only



BP and IP only

correct

Made By: Waqar Siddhu



Which of the following is an illegal instruction ?

Answer (Please select your correct option)

☐

PUSH AX

☐

PUSH BX

☒

PUSH DL

correct

☐

PUSH DX

Made By: Waqar Siddhu



Relating to the stack in 8088 architecture which of the following statement is true ?

Answer (Please select your correct option)

☐

Single word can not be pushed on the stack

correct

☐

Single word can not be popped from the stack

☐

Single byte can not be popped from the stack

☐

Single quad can be popped from the stack

Made By: Waqar Siddhu



ASCII Stands for _____

Answer (Please select your correct option)

☒ American Standard Code for Information Interchange

correct

☐ American Scientific Code for International Interchange

☐ American Standard Code for Intelligence Interchange

☐ American Scientific Code for Information Interchange

Made By: Waqar Siddhu



In assembly the CX register is used normally as a _____ register.

Answer (Please select your correct option)



source



counter



index



pointer

correct

Made By: Waqar Siddhu



How many characters were defined by standard ASCII?

Answer (Please select your correct option)

☐ 64

☒ 128

☐ 256

☐ 512

correct

Made By: Waqar Siddhu