

Question No : 1 of 26

Marks: 1 (Budgeted Time 1 Min)

In instruction ADC the operands can be

- Two registers only
- Two register and one memory location
- CF and two other operands
- ZF and two other operands

correct

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Question No : 2 of 26

Marks: 1 (Budgeted Time 1 Min)

The attribute byte has

- 32 possible background colors
- 16 possible background colors
- 8 possible background colors
- 4 possible background colors

correct

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Question No : 3 of 26

Marks: 1 (Budgeted Time 1 Min)

Memory cell width refers to _____

- Number of bits in a cell
- 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

correct

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Question No : 4 of 26

Marks: 1 (Budgeted Time 1 Min)

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

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Question No : 5 of 26

Marks: 1 (Budgeted Time 1 Min)

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

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Question No : 6 of 26

Marks: 1 (Budgeted Time 1 Min)

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

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Question No : 7 of 26

Marks: 1 (Budgeted Time 1 Min)

MS DOS uses ____ display mode.

Answer (Please select your correct option)

Character based

correct

Graphics based

Numeric based

Console based

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Question No : 8 of 26

Marks: 1 (Budgeted Time 1 Min)

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

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Question No : 9 of 26

Marks: 1 (Budgeted Time 1 Min)

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

correct

mov AX, 0x3b00
mov ES, AX

mov AX, 0x300b
mov ES, AX

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Question No : 10 of 26

Marks: 1 (Budgeted Time 1 Min)

In STOSW instruction, SI is decremented or incremented by

Answer (Please select your correct option)

1

2

3

4

correct

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Question No : 11 of 26

Marks: 1 (Budgeted Time 1 Min)

8088 processor divides interrupts into ____ classes.

2

3

4

5

correct

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Question No : 12 of 26

Marks: 1 (Budgeted Time 1 Min)

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

ES:DI

DS:DI

ES:SI

DS:SI

correct

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Question No : 13 of 26

Marks: 1 (Budgeted Time 1 Min)

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

DI and BP

DI and SI

SI and BP

DS and SI

correct

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Question No : 14 of 26

Marks: 1 (Budgeted Time 1 Min)

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

BX is greater

Both AX and BX are equal

ZF has no relation with CMP

AX is greater

correct

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Question No : 15 of 26

Marks: 1 (Budgeted Time 1 Min)

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

IP only

IP and SP only

SP only

BP and IP only

correct

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Question No : 16 of 26

Marks: 1 (Budgeted Time 1 Min)

Which of the following is an illegal instruction ?

PUSH AX

PUSH BX

PUSH DL

PUSH DX

correct

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Question No : 17 of 26

Marks: 1 (Budgeted Time 1 Min)

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

Single word can not be pushed on the stack

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

correct

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Question No : 18 of 26

Marks: 1 (Budgeted Time 1 Min)

ASCII Stands for _____

American Standard Code for Information Interchange

American Scientific Code for International Interchange

American Standard Code for Intelligence Interchange

American Scientific Code for Information Interchange

correct

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Question No : 19 of 26

Marks: 1 (Budgeted Time 1 Min)

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

Answer (Please select your correct option)

source

counter

index

pointer

correct

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Question No : 20 of 26

Marks: 1 (Budgeted Time 1 Min)

How many characters were defined by standard ASCII?

64

128

256

512

correct

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Question No : 21 of 26

Marks: 2 (Budgeted Time 4 Min)

How 16-bit DIV operation is different from 32-bit DIV operation?

Answer (Please [click here](#) to Add Answer)



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Question No : 22 of 26

Marks: 2 (Budgeted Time 4 Min)

Which of the following are bitwise operators?

AND
MOV
ADD
MUL

Answer (Please [click here](#) to Add Answer)




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Question No : 23 of 26

Marks: 3 (Budgeted Time 6 Min)

How the value of Instruction Pointer register is saved and updated when a CALL instruction is executed?

Answer (Please [click here](#) to Add Answer)




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Question No : 24 of 26

Marks: 3 (Budgeted Time 6 Min)

For what purpose "INT 1" is reserved ?

Answer (Please [click here](#) to Add Answer)



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Question No : 25 of 26

Marks: 5 (Budgeted Time 10 Min)

Suppose AL contains 11001011b and CF= 1. Give the new contents of AL after each of the following instructions is executed. Assume the preceding initial conditions for each part of this question.

- . SHL AL, 1
- a. SHR AL, 1
- b. ROL AL, CL ;if CL contains 2
- c. SAR AL, CL ;if CL contains 2
- d. RCR AL, CL ;if CL contains 3

Answer (Please [click here to Add Answer](#))



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Question No : 26 of 26

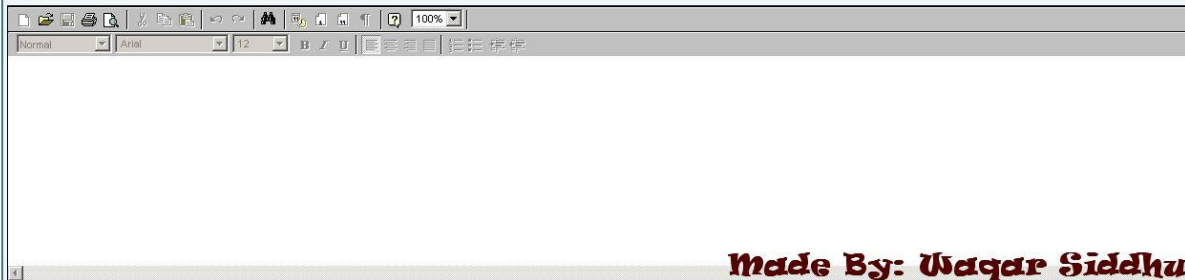
Marks: 5 (Budgeted Time 10 Min)

Following instructions are taken from the program of printing a "hello word" at desired screen location. What functionality is achieved by the following code lines?

[Initially SI is pointing to the string and DI is pointing to the top left column of the screen]

```
mov al, [si]
mov [es:di], ax
add di, 2
```

Answer (Please [click here to Add Answer](#))



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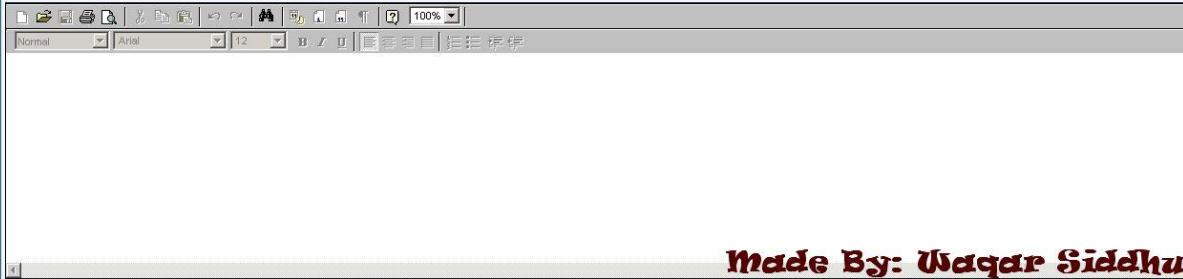
Question No : 26 of 26

Marks: 5 (Budgeted Time 10 Min)

[Initially SI is pointing to the string and DI is pointing to the top left column of the screen]

```
mov al, [si]
mov [es:di], ax
add di, 2
add si, 1
```

Answer (Please [click here](#) to Add Answer)



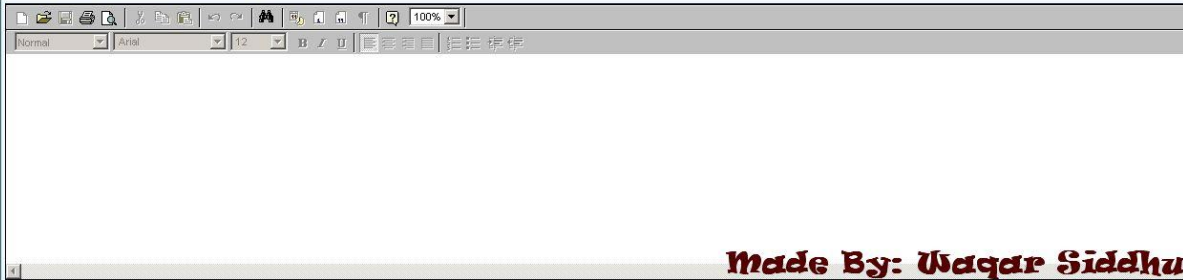
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Question No : 22 of 26

Marks: 2 (Budgeted Time 4 Min)

```
OR
NOT
SUB
XOR
DIV
ADC
```

Answer (Please [click here](#) to Add Answer)



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